MDV455_17x 11/11/03 4:34 PM Page 1

*OWNER'S MANUAL*

MAGNAVOX
SMART. VERY SMART.

# *MDV455*
## *DVD PLAYER*

***NEED HELP? CALL US!***

*MAGNAVOX REPRESENTATIVES ARE READY TO HELP YOU WITH ANY QUESTIONS ABOUT YOUR NEW PRODUCT. WE CAN GUIDE YOU THROUGH CONNECTIONS, FIRST-TIME SETUP, AND ANY OF THE FEATURES. WE WANT YOU TO START ENJOYING YOUR NEW PRODUCT RIGHT AWAY.*

***CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT.***
***1-800-705-2000***
***OR VISIT US ON THE WEB AT WWW.MAGNAVOX.COM***

*IMPORTANT!*
*RETURN YOUR WARRANTY REGISTRATION CARD WITHIN 10 DAYS.*
*SEE WHY INSIDE.*

# Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

*Once your MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.*

## Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your MAGNAVOX warranty.

## Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

## Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

***Congratulations on your purchase, and welcome to the "family!"***

**Dear MAGNAVOX product owner:**

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a MAGNAVOX product.

**P.S. Remember, to get the most from your MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!**

*Know these* **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**ATTENTION**: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

### For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

*Visit our World Wide Web Site at http://www.magnavox.com*

MDV455_17x 11/11/03 4:34 PM Page 3



## Getting Started

Contents . . . . . 3
Safety Information . . . . . 4-5
Introduction . . . . . 6
Playable Discs . . . . . 7
General Information . . . . . 8
Hookups . . . . . 9-15

## Quick Disc Playback

Quick Disc Playback . . . . . 16

## DVD Player Controls

Remote Control Buttons . . . . . 17
Front Panel . . . . . 18
Rear Panel . . . . . 19

## Disc Playback and Features

Title/Disc Menus, Chapter/Track Selection . . . . . 20
Slow Motion, Fast Forward and Fast Reverse . . . . . 21
Still Picture/Frame-by-Frame Playback, Time Search . . . . . 22
Zoom/Reduce, Camera Angle . . . . . 23
Repeat, Repeat A-B . . . . . 24
DVD Audio Language . . . . . 25
DVD Subtitle Language . . . . . 26
DVD Disc Menu Language . . . . . 27
Parental Password . . . . . 28
Parental Levels . . . . . 29
Program . . . . . 30
Preview . . . . . 31
JPEG and MP3 Features . . . . . 32

## DVD Player Setup Options

TV Display . . . . . 33
Video Setup . . . . . 34
TV Type, TV Mode . . . . . 35
Downmix, Dual Mono, SPDIF Output . . . . . 36-37
Equalizer (EQ) Type, Reverb Mode . . . . . 38
Display Language, Closed Captions . . . . . 39
Screen Saver, Angle Mark . . . . . 40
Post DRC, DVD Player Defaults . . . . . 41

## Information You May Need

Helpful Hints . . . . . 42-43
Glossary . . . . . 44
Specifications, Language Codes . . . . . 45
Limited Warranty . . . . . 46-47
Information Index . . . . . 48

Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.
Smart Picture is a trademark of Philips Consumer Electronics.
Copyright 2003 Magnavox. All rights reserved.

# 4 Safety Information

## Safety Precautions

**Warning:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
**Federal Communications Commission (FCC) Warning:** Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

## Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

## Special Information for Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## Radio/TV Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and the receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

## Copyright Protection

Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited.
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## Declaration of Conformity

| | |
|---|---|
| Model Number: | MDV455 |
| Trade Name: | Magnavox |
| Responsible Party: | Philips Consumer Electronics<br>P.O. Box 14810<br>Knoxville, TN 37914-1810<br>(865) 521-4316 |

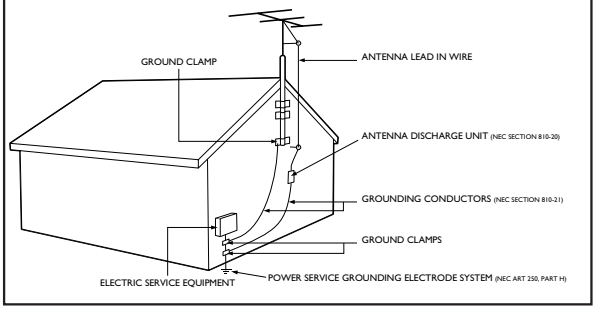
MDV455_17x 11/11/03 4:34 PM Page 5



IMPORTANT SAFETY INSTRUCTIONS

1. Read instructions. Read all the safety and operating instructions before operating the product.
2. Retain instructions. Keep the safety and operating instructions for future reference.
3. Heed warnings. Adhere to all warnings on the product and in the operating instructions.
4. Follow instructions. Follow all operating and use instructions.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, etc.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. Move a product and cart combination with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet provide ventilation, ensure reliable operation of the product, and protect it from overheating. Do not block or cover these openings. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. Do not place this product in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13. Power-Cord Protection – Route power supply cords so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure at right.
15. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
16. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep it from touching such power lines or circuits; contact with them might be fatal.
17. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles. This can result in a risk of fire or electric shock.
18. Object and Liquid Entry – Never push objects of any kind into this product through openings; they may touch dangerous voltage points or short out parts, resulting in a fire or electric shock. Never spill liquid of any kind on the product.
19. Servicing – Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power supply cord or plug is damaged,
    b) If liquid has spilled or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions. An improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way,
    f) When the product exhibits a distinct change in performance. This indicates a need for service.
21. Replacement Parts – When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
23. Wall or Ceiling Mounting – Mount the product to a wall or ceiling only as recommended by the manufacturer.
24. Heat - Situate this product away from heat sources, such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
25. Battery usage CAUTION - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old/new, carbon/alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

**Example of Antenna Grounding per National Electrical Code**


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

# 6 Introduction

## Welcome!

This Digital Video Disc Player will allow you to enjoy better picture quality, clearer sound, and endless playback features on Digital Video Discs (DVDs). Expanding technology allows you to add options to your viewing - watch a director's cut of a movie, listen to the producer's comments, or play your favorite scene repeatedly. Hear a movie in different languages, or listen only to the soundtrack. The possibilities are limited only by your choices and the materials available on the DVD.
We hope you enjoy this DVD Player and learn to use its features. To get the most from the DVD Player, read this manual carefully. It will describe how you can access these features.

## Features

- Closed Captions
- Progressive scan Y Pb/Cb Pr/Cr jack
- Language options for Audio, Subtitles, and Disc Menus
- Parental controls
- Paused/Fast/Slow/Frame-by-Frame/Zoomed/Reduced playback
- Preview
- Programmed playback
- Repeat and Repeat A-B Playback
- Screen Saver

## Package Contents

- DVD Player
- Remote control with two AA batteries
- One set of audio cables (red and white)
- One video cable (yellow)
- This owner's manual and registration materials
- Quick-Use Guide

## Environmental Information

Your system has materials that can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries, and old equipment.

## Safety Information

- Do not expose the system to excessive moisture, rain, sand, heat, or humidity.
- Place the DVD Player on a firm, flat surface.
- Keep the DVD Player away from domestic heating equipment and direct sunlight.
- When placing the DVD Player in a cabinet, allow about one inch of space all around the DVD Player for ventilation. Leave enough room in front of the DVD Player for the disc tray to open completely.
- If the DVD Player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the DVD Player. If this occurs, the DVD Player will not operate normally. Leave the power on for about one hour with no disc in the DVD Player until normal playback is possible.
- The mechanical parts of the Player contain self-lubricating bearings and must not be oiled or lubricated.
- When the DVD Player is turned off, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the power outlet.
- Always keep the disc tray closed to avoid dust on the lens.

## Cleaning Discs

- When a Disc becomes dirty, clean it with a cleaning cloth. Wipe the Disc from the center to the edge in a straight line. Do not wipe the Disc in a circular pattern.

- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

MDV455_17x 11/11/03 4:34 PM Page 7



## Playable Discs

This DVD Player will play various types of Discs. Look for these logos on your Discs to determine whether the Disc will play on this DVD Player.

DVD (Digital Video Disc)

Audio CD (Compact Disc Digital Audio)

Video CD and Super Video CD

CD-R (CD-Recordable) and CD-RW (CD-Rewritable)
Finalize CD-Rs when you record them. Otherwise, you cannot play them on this Player.

DVD+R (DVD + Recordable) and DVD+RW (DVD + Rewritable)
Finalize these Discs when you record them. Otherwise, you cannot play them on this DVD Player.

## Region Codes and Color Systems

DVDs must meet the requirements for Region Codes and Color Systems before you can use them with the DVD Player. DVDs must be labeled for **ALL regions or for Region 1** in order to play on this DVD Player. You cannot play Discs that are labeled for other regions. These symbols must appear on your DVDs, or you cannot play the DVD in this DVD Player.

The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

Furthermore, recordings are made according to different color systems throughout the world. The most common color systems are NTSC (which is used primarily in the United States and North America), PAL, and SECAM.

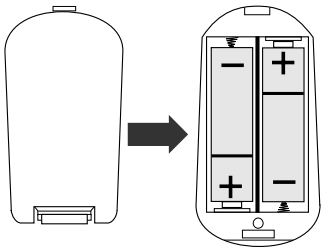
This DVD Player is compatible with **NTSC and PAL**. Make sure the Discs you play were recorded in NTSC or PAL and your TV is NTSC or PAL compatible. You must set the DVD Player's TV Type to be compatible with your TV and the Disc. *Details are on page 35*. The color system of the DVD may appear on the DVD or on the Disc case.

## DVD Player Upgrades

If a DVD does not play properly, please contact Magnavox at 1-800-705-2000 for assistance. Due to the inconsistency of Disc formats provided by various Disc manufacturers, your DVD Player may require a playability enhancement. As DVD technology has advanced, these enhancements have become both common and easy to complete.

# 8 General Information

## Battery Installation



1 **Remove the battery compartment lid** on the rear of the remote control by pressing in the tab, then lifting off the lid.

2 **Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.** Do not mix old and new batteries or different types of batteries (standard, alkaline, etc.).

3 **Replace the battery compartment lid.**

## Using the Remote Control

Unless stated otherwise, the remote control can operate all the features of the DVD Player. Always point the remote control directly at the Remote Sensor on the front of the DVD Player, not the TV. Make sure there are no barriers between the remote control and the DVD Player.

## When referring to this manual, remember...

DVD — The feature is available on some Digital Video Discs.

AUDIO CD — The feature is available on some Audio Compact Discs.

VIDEO CD — The feature is available on some Video Compact Discs or Super Video CDs.

## DVD Disc Menus...

Some explanations in this manual describe the DVD Disc Menus, which vary among DVDs. Movie producers set these menus, and not all DVDs have menus. If the DVD has a menu, access the Disc Menu by pressing the DISC MENU button on the remote control. *Details are on page 20.*

## DVD Player Menus...

Some instructions explain how to use the DVD Player's Setup menu to set up features of the DVD Player or the Disc. You get to the Setup Menu by pressing SYSTEM MENU on the remote control. Even if a feature is set up in the DVD Player's menu, it will not be available if the current Disc does not include that feature.

## Available Disc Features...

Features in this manual may not be available on every Disc. If the feature is not available, you cannot use the DVD Player to make the feature available. The ∅ will appear in the top left corner of the TV screen if you try to access a feature that is not available on the current Disc or is not available under the current situation.

MDV455_17x 11/11/03 4:34 PM Page 9



## Determining the best possible connection...

The capabilities of your existing equipment, especially your TV, will determine your connection possibilities. However, the following guidelines describe which options provide the best picture and sound quality.

★★★★ Component Video provides the best picture quality. *Details are on page 13.*

★★★ S-Video provides excellent picture quality. *Details are on page 12.*

★★ Composite Video (a yellow Video jack) provides good picture quality. *Details are on page 11.*

★★ Your TV may have only an RF-style jack, usually labeled Antenna In or 75 ohm or RF In. You will need an RF modulator in order to view the DVD Player at your TV. *Details are on page 10.*

★★★★ Digital audio connections provide the clearest sound, but you must have a digital stereo receiver. Connect the DVD Player's COAXIAL digital audio out jack to your Stereo for the best sound quality. *Details are on page 15.*

★★★ If digital connections are not possible, connect the DVD Player's red and white Audio L/R (left/right) jacks to the Audio In jacks of your Stereo, TV, or RF modulator. *Details are on pages 10-14.*

## Before you begin...

- Refer to the manuals of your TV, Stereo, or other equipment as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels on your other equipment so you can see and hear the DVD Player on the TV, Stereo, etc.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.

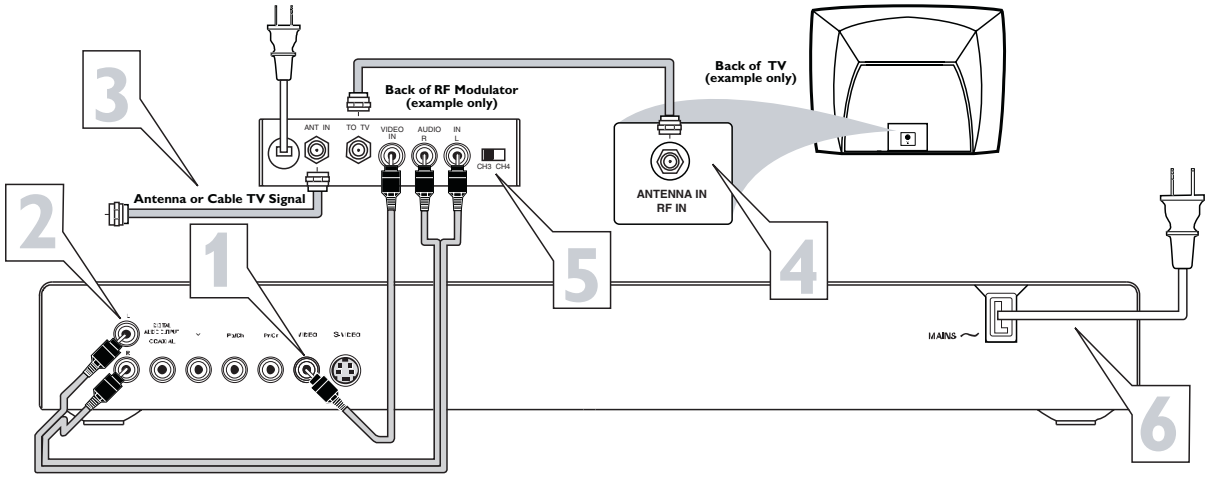
## Remember...

- Connect the DVD Player directly to the TV. For example, do not connect the DVD Player to a VCR, then connect the VCR to a TV. This type of connection may distort the picture and sound. Also, your VCR might have the copy protection system, which could distort the DVD image or prevent playback of some Discs.
- Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2 or External In, etc. These channels are often near channel 00. See your TV manual for details. Or, go to your lowest TV channel (01 or 02) and change TV channels downward until you see the DVD screen saver on the TV.
  If you are using an RF modulator, set the TV to channel 3 or 4.
- Set the Stereo to the correct channel or "source" mode.
- Do not connect the DVD Player's Audio L/R (left/right) jacks to the PHONO IN jack of your Stereo.
- You only need one audio connection and one video connection between the DVD Player and your TV and/or Stereo. So, you might not use all the jacks on the DVD Player.

***Once you determine the best option, find your choice on pages 10-15. Follow the steps for the hookup you choose.***

# 10 Hookups (cont'd)

## Connecting to a TV Only
## TV has only a single Antenna In or RF-In jack




***Before you begin, make sure you have an RF modulator and extra RF coaxial cables. These are not supplied with the Player, but are available from Magnavox or most consumer electronics retailers.***

**1** Connect the supplied video cable (which has yellow markings) to the Player's yellow VIDEO jack. Connect the other end of the cable to the VIDEO IN jack on the RF modulator. The VIDEO IN jack on the RF modulator is usually yellow and might be labelled VIDEO, CVBS, COMPOSITE, or BASEBAND.

**2** Connect the supplied audio cable (which has white and red markings) to the Player's Audio L/R (left and right) jacks.
Connect the other ends of the audio cable to the AUDIO IN jacks on the RF modulator**.** Audio jacks on the RF modulator usually are red (right) and white (left). Match the cable colors to the jack colors.

**3** You probably already have an Antenna or Cable TV signal connected to the ANTENNA IN jack on your TV.
Disconnect it now from the TV. Reconnect the Antenna or Cable TV signal to the ANTENNA IN jack on your RF modulator.

**4** Connect an RF coaxial cable (not supplied) to the RF OUT, ANTENNA OUT, or TO TV jack on the RF modulator. The RF OUT jack may be labelled differently among different brands. Refer to the instructions provided with your RF modulator.
Connect the other end of the same RF coaxial cable to the ANTENNA IN or RF IN jack on your Television.

**5** Your RF Modulator should have a Channel 3/4 switch. The setting of this switch determines the TV channel on which you will watch materials playing on the DVD Player.
Set the RF Modulator's Channel 3/4 switch to either 3 or 4, whichever TV channel is least used in your area. If your RF modulator has a Modulator/Antenna switch, set it accordingly. Refer to the instructions that came with the RF Modulator.

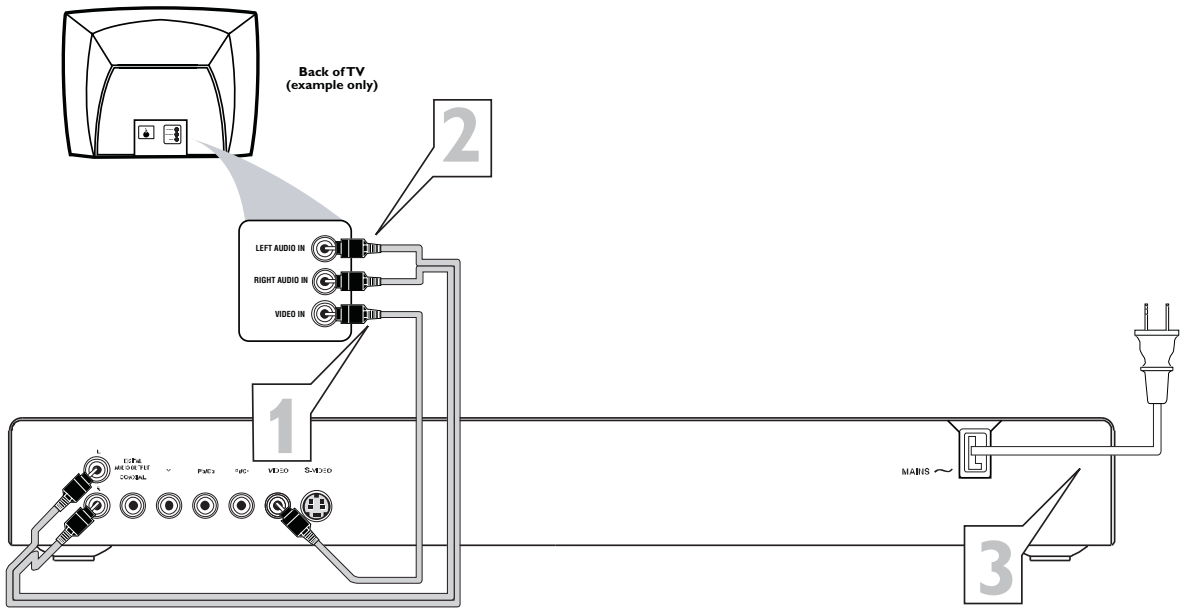
Turn on your TV and choose channel 3 or 4. Choose the same channel to which you set the RF Modulator's Channel 3/4 switch.

**6** Connect the Player's power cord to a power outlet and turn on the DVD Player by pressing STANDBY-ON ⏻ on the front of the Player. If no Disc is in the Player, you should see the Player's screen saver on the TV screen.

MDV455_17x 11/11/03 4:34 PM Page 11



## Connecting to a TV Only
## TV has a yellow Video In jack




**1** Connect the yellow VIDEO jack of the DVD Player to the corresponding VIDEO IN jack on your TV. Use the supplied video cable, which has yellow markings.

**2** Connect the supplied audio cable to the white and red Audio L/R (left and right) jacks on the DVD Player and to the left/right AUDIO IN jacks on the TV. Match the cable colors to the jack colors.

**3** Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.

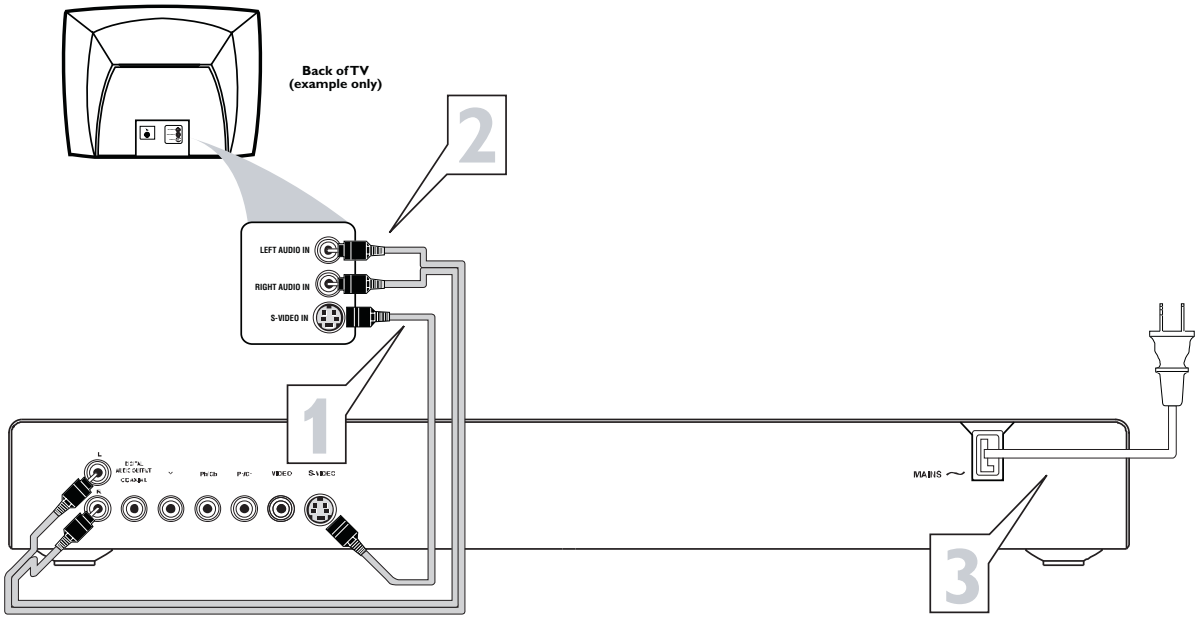
**4** Turn on the TV. Set it to the correct Video In channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen saver on the TV.

### Helpful Hints

- *On the TV, the Video In jack is usually yellow and might be labeled video, CVBS, composite, or baseband.*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the Audio L/R (left/right) jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

# 12 Hookups (cont'd)

## *Connecting to a TV Only*
## *TV has an S-Video In Jack*




**1** Connect an S-Video cable (not supplied) to the S-VIDEO jack of the DVD Player and to the TV's S-VIDEO In jack.

**2** Connect the supplied audio cable to the white and red Audio L/R (left and right) jacks on the DVD Player and to the left/right AUDIO IN jacks on the TV. Match the cable colors to the jack colors.

**3** Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.

**4** Turn on the TV. Set it to the correct S-Video In channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen saver on the TV.

**5** Go to page 35 to set TV Mode to CVBS / S-video. Otherwise, you will not have a DVD picture at your TV.

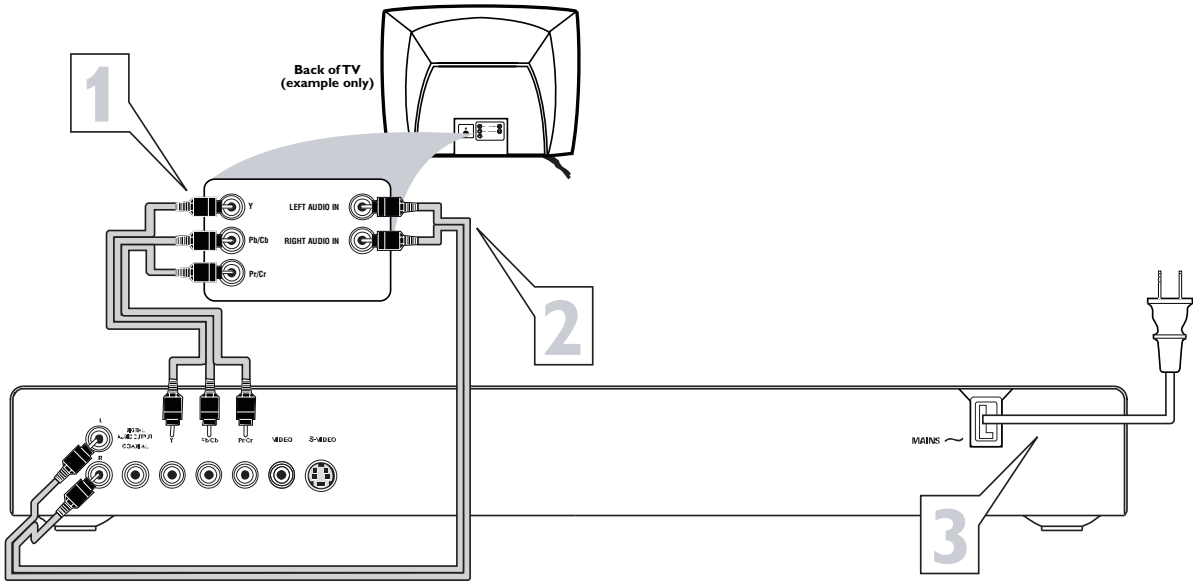
### *Helpful Hints*

- *On the TV, the S-Video In jack may be labeled Y/C, S-Video, or S-VHS (super video).*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the Audio L/R (left/right) jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

MDV455_17x 11/11/03 4:34 PM Page 13



## Connecting to a TV Only
## TV has Component Video In Jacks (red, green, and blue)




**1** Connect the DVD Player's Y Pb/Cb Pr/Cr jacks to the corresponding Component Video In jacks on your TV. On your TV, you may have Component Video In jacks that are label Progressive Scan. If you use instead, set TV Mode to P-scan YPbPr. Otherwise, set TV Mode to YPbPr for standard component. *Details are on page 35.* Use component video cables (not supplied).

**2** Connect the DVD Player's white and red Audio L/R (left and right) jacks to the left/right AUDIO IN jacks on the TV. Use the supplied audio cables. Match the cable colors to the jack colors.

**3** Plug the power cords of the DVD Player and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.

**4** Turn on the TV. Set it to the correct Component Video In channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen saver on the TV.

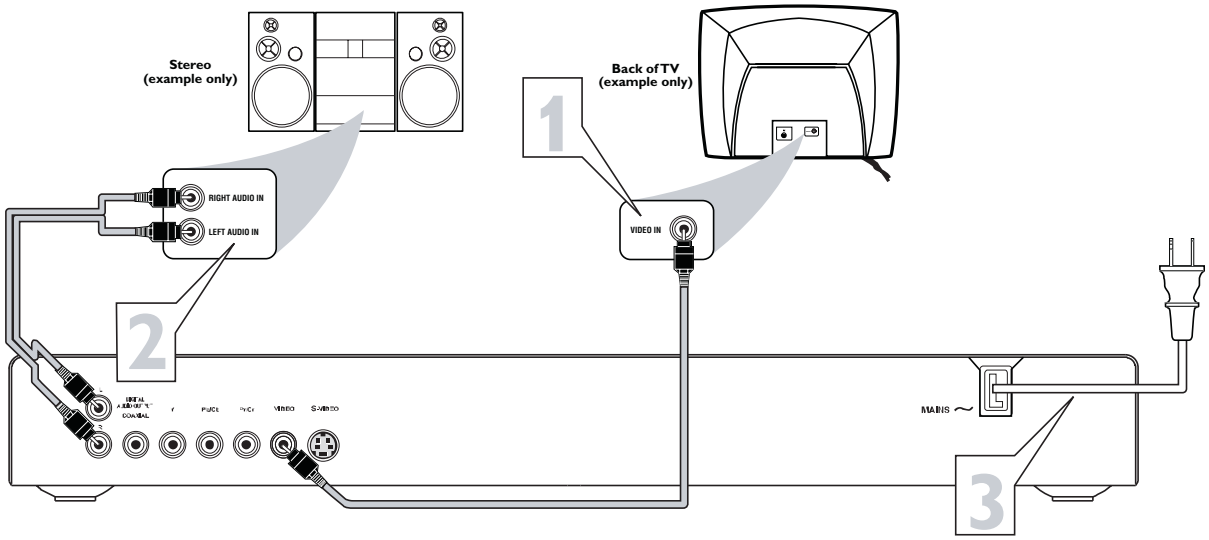
**5** **Go to page 35 to set TV Mode correctly (as detailed in step 1). If TV Mode is incorrect, you will not have a DVD picture at your TV.**

### *Helpful Hints*

- *On the TV, the component video in jacks may be labeled YUV or Y Pr/Cr Pb/Cb and may be green, blue, and red.*
- *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. You need a "splitter" audio cable to go from the Audio L/R jacks of the DVD Player to the single Audio In jack on your TV. See your electronics retailer for details.*

# 14 Hookups (cont'd)

## *Connecting to a TV and a Receiver with and without Dolby Pro Logic decoding*




**1** Connect the supplied video cable to the yellow Video jack of the DVD Player and to the TV's Video In jack. The supplied video cable has yellow markings.

**2** Connect the supplied audio cable to the white and red Audio L/R (left and right) jacks on the DVD Player and to the left/right Audio In jacks on the Stereo. Match the cable colors to the jack colors.

**3** Plug the power cords of the DVD Player, Stereo, and the TV into an active power outlet. Press STANDBY-ON ⏻ on the front of the DVD Player to turn it on.

**4** Turn on the Stereo and set it to the correct Audio In channel or sound source. Refer to the Stereo owner's manual for details.

**5** Turn on the TV. Set it to the correct Video In channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen saver on the TV.

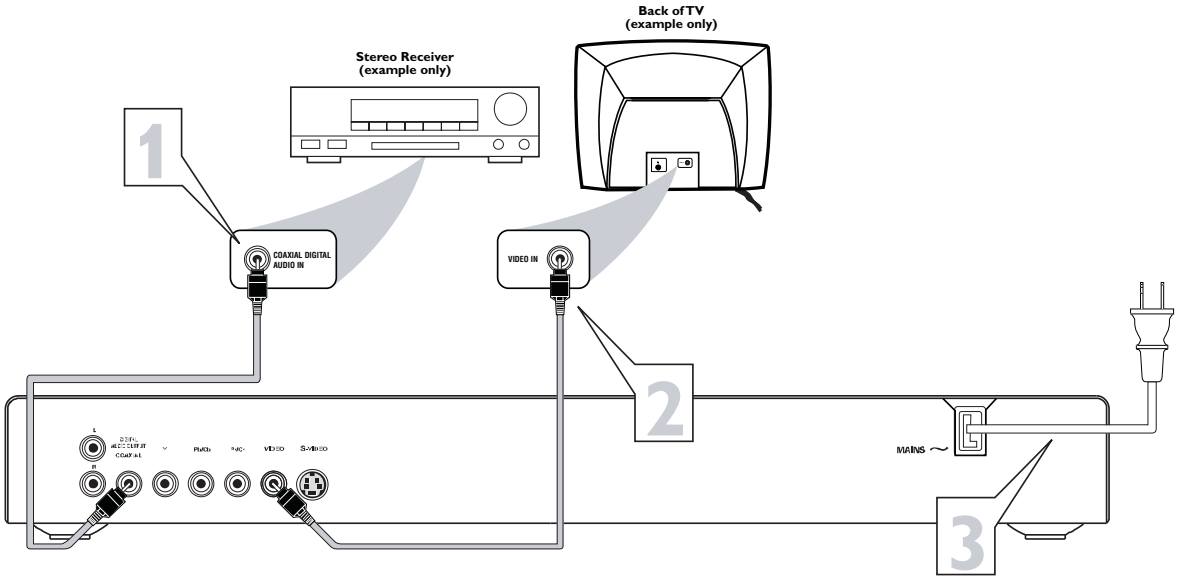
### *Helpful Hints*

- *If you prefer or need to use the S-video or Y Pb/Cb Pr/Cr jacks instead, see pages 12-13. You only need one video connection between the TV and the DVD Player.*
- *Adjust Downmix and Dual Mono accordingly. Details are on page 36.*

MDV455_17x 11/11/03 4:34 PM Page 15



## Connecting to a TV and a Stereo (Stereo has Dolby Digital™ or MPEG2)




**1** Connect the Coaxial jack of the DVD Player to the Coaxial Digital Audio In jack on your Stereo. Use an appropriate digital audio cable (not supplied). See your electronics retailer for details and availability.

**2** Connect the supplied video cable to the yellow Video jack of the DVD Player and to the TV's Vidio In jack. The supplied video cable has yellow markings.

**3** Plug the power cords of the DVD Player, Stereo, and the TV into an active power outlet. Press STANDBY-ON ⏻ **o**n the front of the DVD Player to turn it on.

**4** Turn on the Stereo and set it to the correct Audio In channel or sound source. Refer to the Stereo owner's manual for details.

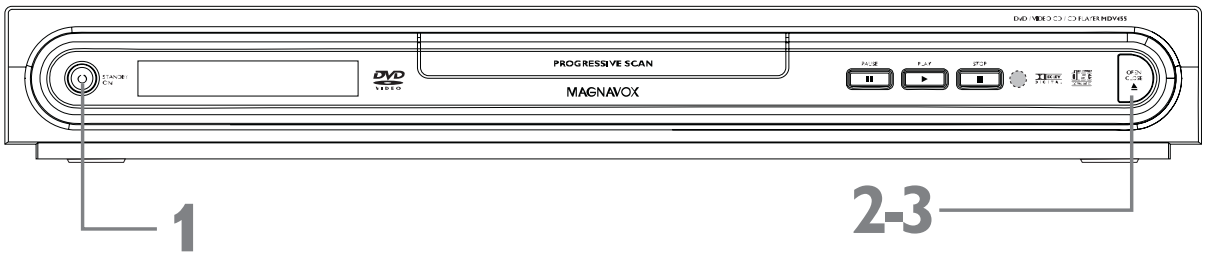
**5** Turn on the TV. Set it to the correct Video In channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02) and change channels downward until you see the DVD screen saver on the TV.

### Helpful Hints

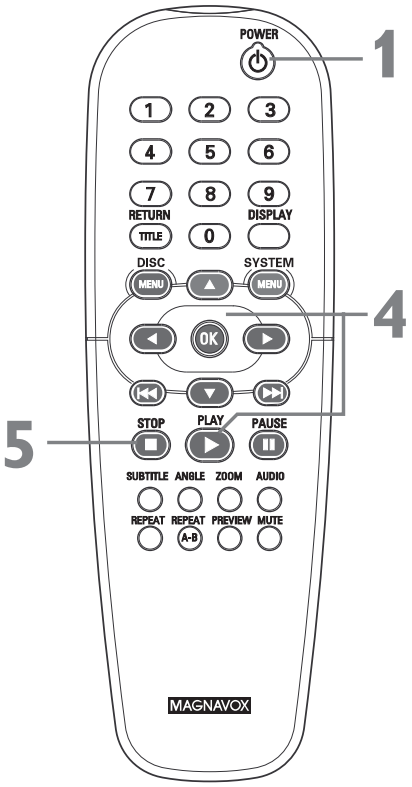
- *Set SPDIF Output accordingly. Details are on page 37.*
- *Your Stereo must support MPEG2 or Dolby Digital. Check the Stereo's manual.*
- *If you prefer or need to use the S-VIDEO or Y Pb/Cb Pr/Cr jacks instead, see pages 12-13.*

# 16 Quick Disc Playback

DVD | AUDIO CD | VIDEO CD

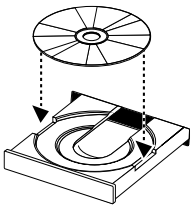



**There are many playback features and options available on Discs. After familiarising yourself with the DVD Player as described on pages 17-19, see pages 20 and following to try additional playback features.**




**1** Press STANDBY-ON ⏻ or POWER ⏻ to turn on the DVD Player. Turn on your TV. Set it to the correct Video In channel. You should see the DVD screen saver on the TV (if no Disc is in the Player).

**2** Press OPEN/CLOSE ▲ on the front of the DVD Player to open the disc tray.
Load your Disc in the tray, with the label facing up. If the Disc (DVD) is two-sided, make sure the label of the side you want to play is facing up.



**3** Press OPEN/CLOSE ▲ again to close the tray.

**4** Playback may start automatically. If not:
• If you are playing a DVD, a Disc menu may appear. If the Title or Chapter selections are numbered, press a Number button to select an item. Or, press ▲▼◄ ► to select an item, then press OK. Playback will begin. Or, follow the on-screen instructions as detailed in the DVD Disc menu.
• If you are playing an Audio CD, press PLAY ► to start playback.
• If a Video CD has Playback Control (PBC), press DISC MENU to turn PBC on or off . Or press RETURN/TITLE to see the menu during playback.
Press the Previous I◄◄, Next ►►I, or Number buttons to select an item, then press OK. Follow the instructions provided by the Video CD. Not all Video CDs have Playback Control. See the Disc case or menus for details.

**5** To stop playback at any time, press STOP ■.
If you press STOP ■ only once, playback will resume at the same point if you press PLAY ► later to restart playback. This is known as the Resume feature.
If you press STOP ■ more than once to stop playback, play will start at the beginning of the Disc again if you press PLAY ► later to restart playback.

### *Helpful Hints*

- *If the Disc is locked by Parental Controls, you must enter your password or unlock the Disc. Details are on pages 28-29.*
- *DVDs have a region code. This Player will play only DVDs of Region 1 or ALL. Details are on page 7.*
- *If there is no activity at the Player or its remote for 15 minutes, the Player will turn itself off. Press STANDBY-ON ⏻ on the Player or POWER ⏻ on the remote to turn on the Player.*
- *PBC represents Playback Control.*

MDV455_17x 11/11/03 4:34 PM Page 17



**NUMBER Buttons**
Press to select numbered items in a menu. During playback, press the Number buttons to select a Chapter (within the current Title) or Track for playback. *Details are on page 20.*

**RETURN/TITLE Button**
Press to go back to a previous menu. Press during DVD playback to return to the Disc's Title menu. *Details are on page 20.* This option varies among DVDs and may not be available with all Discs.

**DISC MENU Button**
Press during playback to access a DVD's menu. *Details are on page 20.*

**PREVIOUS ⏮ Button**
Press to go to the previous Chapter or Track. *Details are on page 20.*

**STOP ■ Button**
Press to stop Disc playback.

**PLAY ▶ Button**
Press to begin Disc playback.

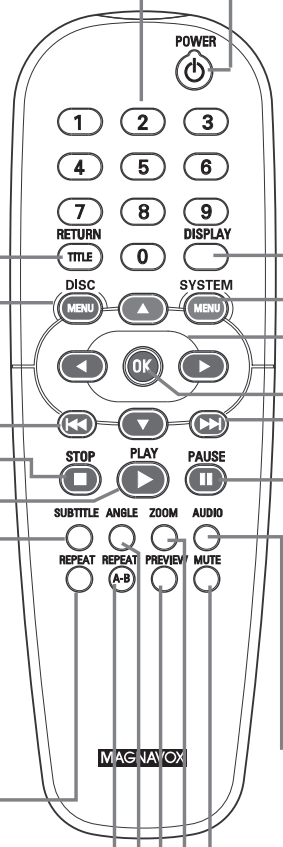
**SUBTITLE Button**
Press during playback to select a subtitle language from those available on the current Disc. *Details are on page 26.*

**REPEAT Button**
Press to play a Chapter, Title, Track, or Disc repeatedly. *Details are on page 24.*

**REPEAT A-B Button**
Press to set up Repeat A-B playback, in which a certain segment of the Track or Chapter plays repeatedly. *Details are on page 24.*

**ANGLE Button**
Press to select a different camera angle during DVD playback. Multiple angles must be available on the Disc. *Details are on page 23.*

**PREVIEW Button**
Press to enter the Preview menu. *Details are on page 31.*
Or, press to play the first 10 seconds of each Track on an Audio CD (SCAN).*Details are on page 20.*




**POWER ⏻ Button**
Press to turn on or off (Standby) the power of the DVD Player.

**DISPLAY Button**
Press during playback to see current disc information on the TV screen. *Details are on pages 20 and 22.*

**SYSTEM MENU Button**
Press to access or remove the Setup Menu of the DVD Player.

**▲▼◀ ▶ Buttons**
Press to select items in a menu. Press ◀ or ▶ for fast reverse or fast forward searching. *Details are on page 21.*
Press ▲ or ▼ during DVD playback for forward or reverse slow motion playback. *Details are on page 21.*

**OK Button**
Press to acknowledge or approve a menu selection.

**Next ⏭ Button**
Press to skip to the next Chapter or Track. *Details are on page 20.*

**PAUSE ❚❚ Button**
Press once to pause playback. Press repeatedly to advance a paused picture one frame at a time (frame-by-frame playback). *Details are on page 22.*

**AUDIO Button**
Press to select a different audio language or soundtrack during DVD playback. Multiple languages or soundtracks must be available on the DVD. *Details are on page 25.*
With some Video CDs, Super Video CDs, and Audio CDs, press Audio to choose an audio channel.
*Details are on page 25.*

**MUTE Button**
Press to silence the volume. MUTE will appear on the TV screen. Press again to restore the volume. (Adjusting the volume at the TV will not restore the sound.) Point the remote control at the DVD Player, not your TV.

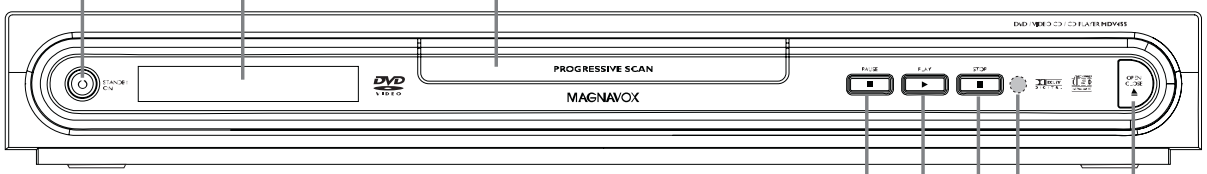
**ZOOM Button**
Press to reduce or enlarge the picture during playback. *Details are on page 23.*

# 18 Front Panel

**STANDBY/ON ⏻ Button**
Press to turn the DVD Player on or off.

**Display Panel**
Current Disc information appears here.

**Disc Tray**
Insert a Disc here. Load the Disc with the label facing up and the shiny side facing down. If the Disc is two-sided, place the Disc in the tray with the label of the side you want to play facing up.
*Details are on page 16.*




**PAUSE II button**
Press during playback to pause play.

**PLAY ▶ button**
Press to play a Disc.

**STOP ■ button**
Press once to stop Disc playback. Play will resume from the same point the next time you start playback. *Details are on page 16.*
Or press STOP ■ twice to stop Disc playback. Play will resume from the beginning of the Disc the next time you start playback.
You must stop playback by pressing STOP ■ twice in order to access Preference Setup in the DVD Player's Setup menu.

**Remote Sensor**
This infrared sensor receives the commands from the DVD Player's remote control. When using the Player's remote control to operate the Player, point the remote here (not toward your TV).

**OPEN/CLOSE ▲ button**
Press to open or close the Disc tray.

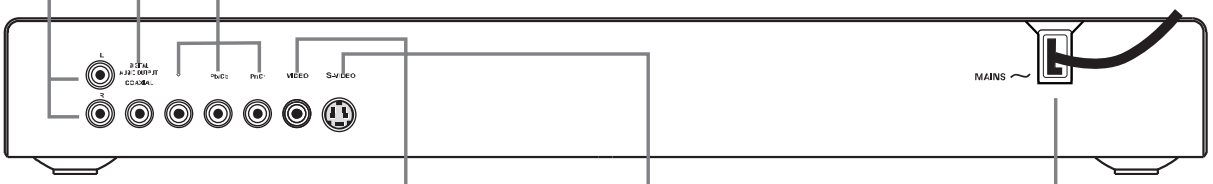
MDV455_17x 11/11/03 4:34 PM Page 19



**Audio L/R (left/right) jacks**
Connect the supplied audio cables (white and red) here and to the Audio In jacks on your TV, Stereo, or RF Modulator. *Details are on pages 10-14.*

**Digital Audio Output (COAXIAL) jack**
Connect a coaxial cable (not supplied) here and to the Digital Audio Coaxial input jack of a Stereo. *Details are on page 15.*

**Y Pb/Cb Pr/Cr jacks**
Connect component video cables (not supplied) here and to the Component Video In jacks of a TV.
*Details are on page 13.*




**Video jack**
Connect the supplied video cable (yellow) here and to the TV's Video In jack. Details are on page 11.
Or, connect this jack to an RF modulator (not supplied) if your TV does not have a Video In jack. Details are on page 10.

**S-video jack**
Use an S-video cable (not supplied) to connect this jack to the S-Video In jack of your TV. *Details are on page 12.*

**AC Power cord**
Connect to a standard AC power outlet after completing all other connections.

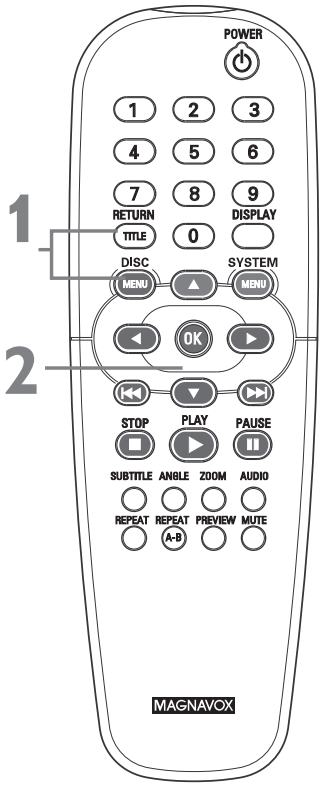
***Helpful Hint***

- *You only need one audio and one video connection between a TV and the Player, so you will not use all the jacks on the Player.*

# 20 Title/Disc Menus, Chapter/Track Selection

DVD

## Title/Disc menus

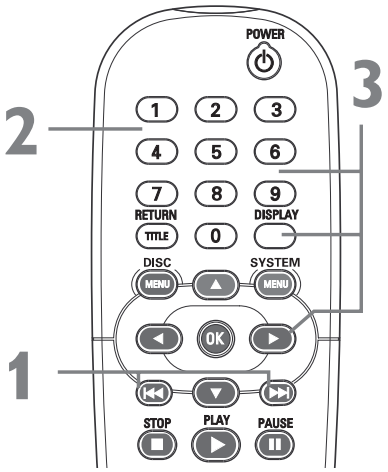



**1** Press DISC MENU during DVD playback.
The main Disc menu (or Root menu) will appear. The menu may list features available on the Disc. There menus vary among DVDs, and not all Discs have the same features. Or, if the current Title has a specific Title menu, press the RETURN/TITLE button to access the Title menu. Title menus are not available on all Discs.

**2** Press ▲▼◄ ► to select items in the menu, then press OK.
Continue until you set up all the features you want or until playback begins. If Chapters or options are numbered, press the appropriate Number button to select the item. Some DVDs may not allow you to operate the Disc menu this way. Follow the instructions on the Disc.

DVD | AUDIO CD | VIDEO CD

## Chapter/Track Selection




**1** Press Next ►►I during playback to go to the next Track/Chapter.
Press Previous I◄◄ to go to previous Tracks/Chapters.

**2** To go directly to any Track/Chapter during playback, press the Number buttons to enter the Track/Chapter number. Precede single-digit numbers with a zero. For example, for Track six, press 0,6. Play will resume from the beginning of the Track/Chapter you selected. If you enter an invalid number, the current Track/Chapter will continue to play. Make sure the Track/Chapter number you enter is available on the Disc. Make sure a Chapter is available within the current Title.

**3** You also can select a Track, Title, or Chapter in the display. Press DISPLAY, then press ► to select the area beside Title, Track or Chapter. Press the Number buttons to enter the Track, Title, or Chapter number you want. Precede single-digit numbers with a zero. Play will resume at the beginning of the Track, Title, or Chapter you selected. Press DISPLAY again to remove the display.

### *Helpful Hint*

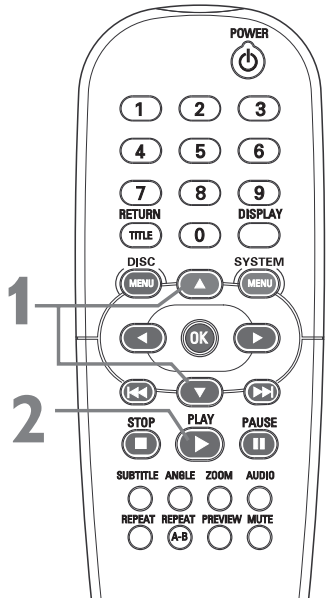
- *To scan all the Tracks on an Audio CD, press the PREVIEW button. The first 10 seconds of each Track will play. After each Track is introduced, Disc playback will start from the first Track. Or, to start play at a Track you find during scanning, press PREVIEW again.*

MDV455_17x 11/11/03 4:34 PM Page 21



DVD | VIDEO CD

## Slow Motion

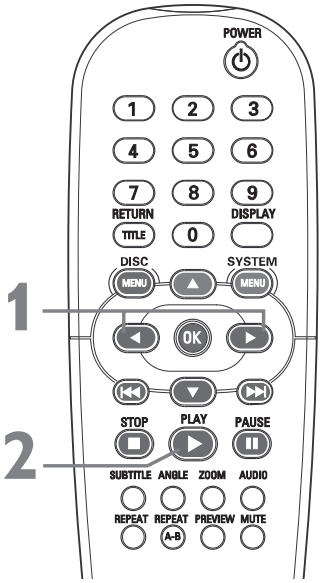



**1** During Disc playback, press ▲ to play the Disc forward at 1/2, 1/4, 1/8, or 1/16 the normal speed. The sound will be mute during slow motion playback.
Or, press ▼ to play a DVD backward at 1/2, 1/4, 1/8, or 1/16 the normal speed. Slow reverse is not possible on Video CDs.

**2** To return to normal playback, press PLAY ►.

DVD | VIDEO CD | AUDIO CD

## Fast Forward and Fast Reverse




**1** To fast forward a DVD or Video CD, press ▶ repeatedly to select two, four, eight, 16, or 32 times the normal speed. Sound will be mute.
Or, press ◀ repeatedly to play the DVD or Video CD backward at two, four, eight, 16, or 32 times the normal speed. The sound will be mute.
To fast forward an Audio CD at two, four, eight, 16, or 32 times the normal playback speed, press ▶ repeatedly during playback. Sound will be intermittent.
To fast reverse an Audio CD at two, four, eight, 16, or 32 times the normal speed, press ◀ repeatedly. Sound will be intermittent.

**2** To return to normal playback, press PLAY ▶.

# 22 Still Picture/Frame-by-Frame Playback, Time Search

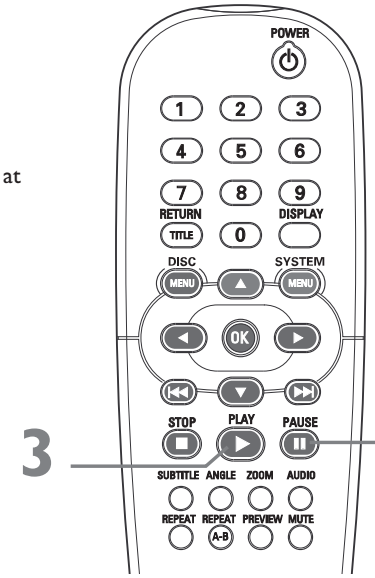
DVD | VIDEO CD

## Still Picture/Frame-by-Frame Playback

1 To pause a DVD or Video CD picture, press PAUSE 8 on the remote control during playback.

2 Press PAUSE ❚❚ repeatedly to advance the still picture one frame at a time.

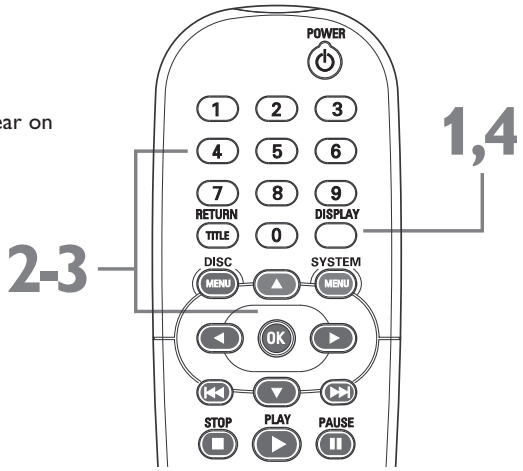
3 Press PLAY ▶ to resume regular playback.




DVD | VIDEO CD | AUDIO CD

## Time Search

1 Press DISPLAY during playback. Current information will appear on the TV screen as in the DVD example below.




2 Press ▲ or ▼ to select an item you want to change, then press ▶.

3 Press the number buttons, or ▲ or ▼ to select a setting or to set the item as you prefer, then press OK.

4 Press DISPLAY to remove the information.

### *Helpful Hints*

- *If you pause a picture for more than 5 minutes, the screen saver will appear (if it is on). Details are on page 40.*
- *The following will be available depending on the type of Disc in the Player.*

| | |
|---|---|
| *Title* | *Current Title/Total Titles* |
| *Chapter* | *Current Chapter/Total Chapters* |
| *Audio* | *Current audio channel/Language* |
| *Subtitle* | *Current subtitle language* |
| *Angle* | *Current angle/Total angles available* |
| *TT Time* | *Total Disc time* |
| *CH Time* | *Total Chapter time* |
| *Repeat* | *Chapter/Title/All repeat or Off* |
| *Time Disp.* | *Display either the elapsed or remaining playing time of a Title or Chapters in the disc.* |
| *Bitrate* | *The amount of Audio and Video data being transferred.* |

MDV455_17x 11/11/03 4:34 PM Page 23



DVD | VIDEO CD

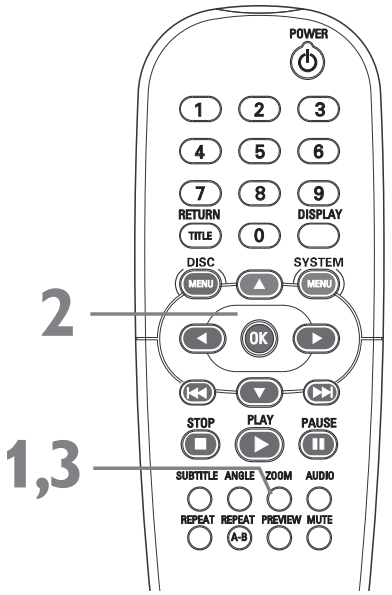
## Zoom/Reduce

You can reduce or enlarge the video image during playback.

1 Press ZOOM repeatedly during Disc playback to make the picture two, three, or four times larger. Or, keep pressing ZOOM to reduce the picture to 1/2, 1/3, or 1/4 its normal size.

2 Press ▲▼◀ ▶ to move around in the enlarged picture.

3 To return the picture to regular size, press ZOOM until the picture returns to its normal size.




DVD

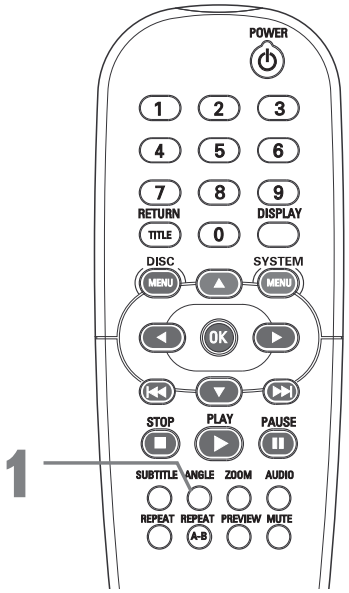
## Camera Angle

Some DVDs include scenes recorded from different angles. To watch segments from a different angle, follow these steps. The DVD must have multiple angles available. Check the DVD Disc case or Disc menu for details and availability.

1 During DVD playback, press the ANGLE button repeatedly to select a different angle.

2 In a few seconds, playback changes to the selected angle. If multiple angles are not available, ∅ may appear in the top left corner of the TV screen when you press ANGLE.

The Angle Mark ( ) will appear on the TV screen if multiple angle are available during DVD play. Angle Mark must be on. *Details are on page 40.*




### *Helpful Hints*

- *Zooming may not be possible on all DVDs.*
- *Zooming is not available on DVDs that have the PAL color system. Details are on page 7.*

# 24 Repeat, Repeat A-B

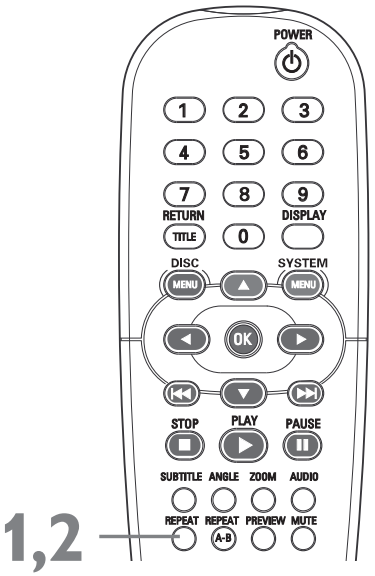
DVD | VIDEO CD | AUDIO CD

## Repeat

You may play a Chapter, Track, Title or entire Disc repeatedly.

1 During Disc playback, press REPEAT to choose a Repeat option. Depending on the type of Disc, you may choose to play the Chapter, Track, Title, or Disc (ALL) repeatedly.

2 To cancel repeat playback, press REPEAT until all the repeat modes disappear or "off" appears on the TV screen.




DVD | VIDEO CD | AUDIO CD

## Repeat A-B

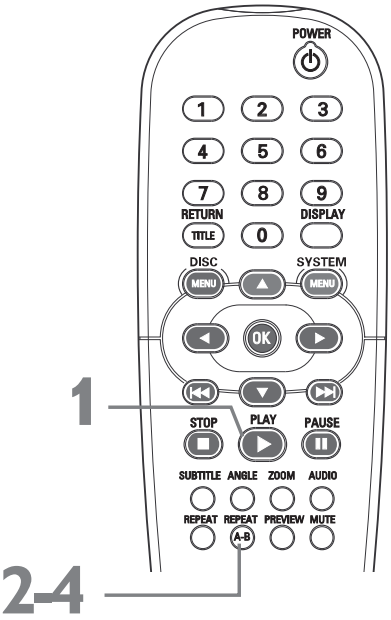
You also may set the Player to play only a specific portion of a Title, Chapter, or Track repeatedly. Follow these steps.

1 Press PLAY ► to start Disc playback.

2 When the Disc reaches the point at which you want repeated playback to begin, press REPEAT A-B.

3 When the Disc reaches the point at which you want to end the segment, press REPEAT A-B again. The segment will begin playing repeatedly.
On a DVD, make sure the entire A-B segment is within a single Title. On a Video CD or Audio CD, the A-B segment should be within a single Track. If you do not enter the B setting before the end of the Track is reached, Repeat A-B will be cancelled.

4 To resume regular playback, press REPEAT A-B again. The AB symbol will disappear from the top left corner of the TV screen.

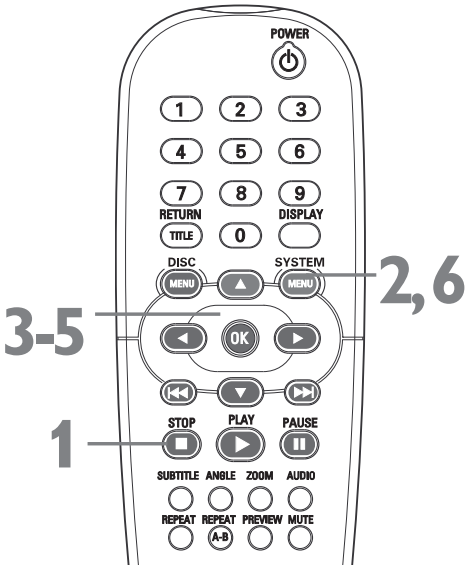


MDV455_17x 11/11/03 4:34 PM Page 25



DVD

Some DVDs are recorded in multiple languages; some may have extra audio options such as a director's commentary or a music soundtrack. You can choose the language or the soundtrack that you want to hear by adjusting Audio in the Preference Page. To do so, follow the steps below.
The easiest way to choose a different audio language or soundtrack is to press the AUDIO button on the remote during DVD playback. The audio will change to the language or soundtrack you select.




**1** Press STOP ■ twice to stop DVD playback.

**2** Press **SYSTEM MENU.**

**3** Press ▶ to select the Preference Page then OK or ▼ . You can select the Preference Page only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

**4** Audio will be selected. **Press ▶.**

**5** Language options will appear to the right of Audio. Press ▲ or ▼ to choose the language you want, then press OK or **▼.**
You can only hear these languages if the language is recorded on the DVD.
If there is another language or soundtrack on the DVD that does not show in this AUDIO menu press ▼ repeatedly to go to the next screen and choose OTHERS, then press OK.
At the next screen, press the Number buttons to enter the four-digit language code for the language you want. Use the codes listed on page 45 of this manual. Then, press OK. The Preference Page menu will reappear.

**6** Press SYSTEM MENU to remove the menus.

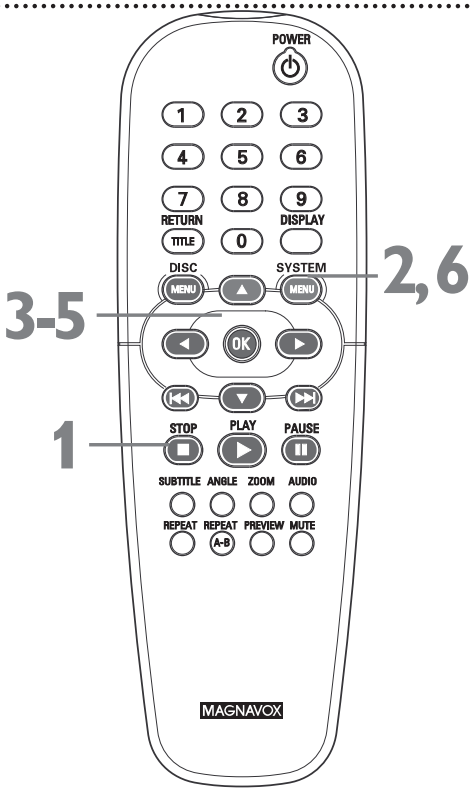
### *Helpful Hints*

- *Some Audio CDs, Video CDs, or Super Video CDs are recorded on multiple audio channels. For example, a Karaoke Disc may record music on the left channel and vocals on the right channel. Press AUDIO during playback to choose which channels you want to hear. Options may include Left Mono, Right Mono, MIX-Mono, or Stereo. Check your Disc case for details.*
- *If adjusting the Audio language as described on this page does not change the Audio, change the settings in the DVD's Disc menu or by pressing the AUDIO button repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop playback and adjust Audio, this cancels the Resume feature. When you play the DVD again, playback starts at the beginning of the DVD.*

# 26 DVD Subtitle Language

DVD

Some DVDs include subtitles. Choose the language you want for available subtitles by adjusting Subtitle in the Preference Page. To do so, follow the steps below.
Or, the easiest way to choose subtitles is to press the SUBTITLE button on the remote repeatedly during DVD playback. The subtitles will appear in the language you select.




**1** Press STOP ■ twice to stop DVD playback.

**2** Press **SYSTEM MENU.**

**3** Press ▶ to select the Preference Page, then OK or ▼. You can select the Preference Page only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

**4** Press ▼ to select Subtitle, then **press ▶.**

**5** Language options will appear to the right of Subtitle. Press ▲ or ▼ to choose the language in which you want subtitles to appear. Then, press OK.
You can see subtitles in these languages only if available on the current DVD. Check the DVD case for details on available subtitle languages.
If there is a subtitle language on the DVD that does not show in the Player's Subtitle menu, choose OTHERS in the second menu screen and press OK.
At the next screen, press the Number buttons to enter the four-digit language code for the language you want. Use the codes listed on page 45 of this manual. Then, press OK. The Preference Page menu will reappear.

**6** Press SYSTEM MENU to remove the menus.

### *Helpful Hints*

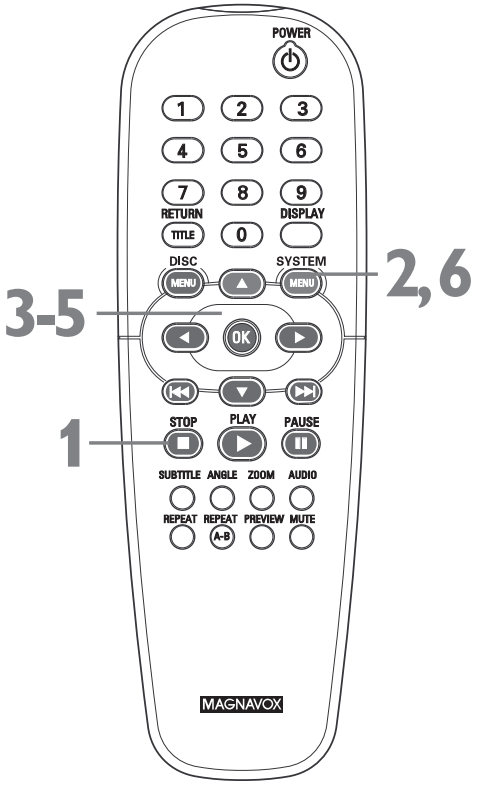
- *Some DVDs only allow you to choose Subtitle languages in the DVD Disc menu. If adjusting the Subtitle language as described on this page does not change the Subtitle during DVD playback, change the settings in the DVD's Disc menu or by pressing the SUBTITLE button repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop playback and adjust Subtitle, this cancels the Resume feature. When you start to play the DVD again, playback automatically starts at the beginning of the DVD.*

MDV455_17x 11/11/03 4:34 PM Page 27



DVD

DVDs have a Disc menu that allows you to choose options such as Audio Language, Subtitles, or other special features. Features vary among DVDs, so the menus are different for every DVD.
Some menus may be available in multiple languages. To choose a language for a Disc menu using the Preference Page, follow these steps.




**1** Press STOP ■ twice to stop DVD playback.

**2** Press **SYSTEM MENU.**

**3** Press ▶ to select the Preference Page, then press OK or ▼ . You can select the Preference Page only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

**4** Press ▼ to select Disc Menu, then **press** ▶.

**5** Language options will appear to the right of Disc Menu. Press ▲ or ▼ to choose the language in which you want the DVD Disc menu to appear. Then, press OK.
You can see Disc menus in these languages only if available on the current DVD. Check the DVD case for details on available menu languages.
If there is a menu language on the DVD that does not show in the Player's Disc Menu list, choose OTHERS in the second menu screen and press OK.
At the next screen, press the Number buttons to enter the four-digit language code for the language you want. Use the codes listed on page 45 of this manual. Then, press OK. The Preference Page menu will reappear.

**6** Press SYSTEM MENU to remove the menus.

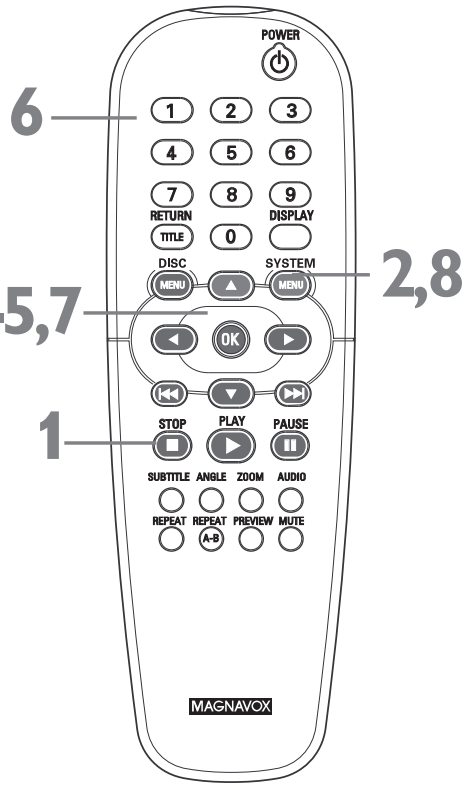
### *Helpful Hints*

- *If adjusting the Disc menu language as described on this page does not change the language as you preferred, change the settings in the DVD's Disc menu. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop DVD playback so you can adjust Disc Menu, playback automatically starts at the beginning of the DVD when you start playback again.*

# 28 Parental Password

DVD

The Parental feature limits viewing of DVDs. You need a password to change the Parental settings or to play Locked Discs. To set your password, follow the steps below.
To adjust the Parental level so DVDs cannot play if they exceed that level, see page 29.
To prevent specific DVDs from playing, regardless of how you set the Parental level, see page 29.

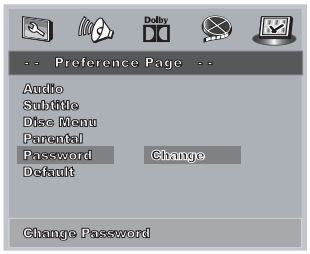



**1** Press STOP ■ twice to stop DVD playback.

**2** Press **SYSTEM MENU.**

**3** Press ▶ to select the Preference Page, then press OK or ▼. You can select the Preference Page only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

**4** Press ▼ to select Password, then **press** ▶.




**5** Change will be highlighted. **Press OK.**

**6** A box beside Old Password will be highlighted. Press the Number buttons to enter your old four-digit password. (If this is the first time you have set a password, you may not have to enter an Old Password. The box beside New Password will be highlighted automatically). Press the Number buttons to enter a new four-digit password of your choice. The box beside Confirm PWD will be highlighted automatically. Press the Number buttons to enter the same new four-digit password you just entered for the New Password.

**7** Press OK to save the new password. The previous menu will appear. Write your password here for future reference.

| *Code* | *Date* |
|---|---|
| | |
| | |
| | |
| | |

**8** Press SYSTEM MENU to remove the menus.

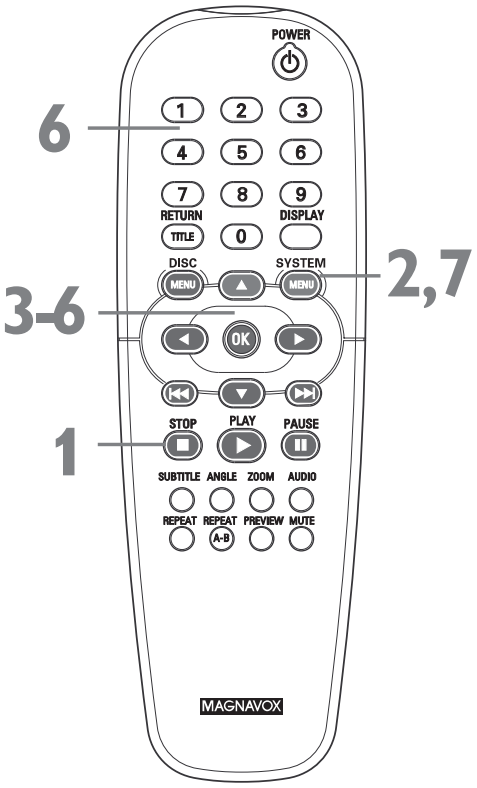
### *Helpful Hints*

- *The default or factory preset password is 1009. You can use it to play a Locked Disc or enter it as the old password. The 1009 password is acceptable even after you set your own personal password.*
- *Magnavox denies any liability associated with unintended watching of Discs. Make sure your Discs play according to your Parental settings before you allow children access to the Player.*
- *Your password must have exactly four digits.*

MDV455_17x 11/11/03 4:34 PM Page 29



You can set the Player to block or allow playback according to the DVD movie rating. If someone tries to play a DVD whose rating exceeds the level you selected, PARENTAL VIOLATION may appear on the TV screen. Some DVDs may give you the option of entering your password to allow playback. If not, change the Parental setting so you can watch the Disc. Not all DVDs conform to the levels you select, as not all DVDs are coded or protected by the DVD manufacturer. Therefore, make sure the DVD plays according to your Parental setting before you allow children unlimited access to the Player or DVDs.

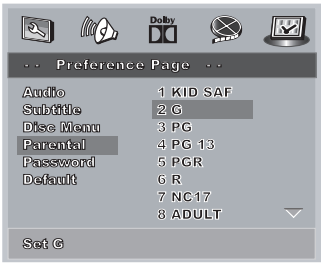



**1** Press STOP ■ twice to stop DVD playback.

**2** Press **SYSTEM MENU.**

**3** Press ▶ to select the Preference Page, then press OK or ▼. You can select the Preference Page only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

**4** Press ▼ to select Parental, then **press** ▶.




**5** Press ▲ or ▼ to choose the Parental level at which you want to restrict playback, then press OK.
For example, if you do not want children to watch movies rated above PG, select PG 13. DVDs rated PG can play without entering a password; however, DVDs rated PG-13, R, NC-17, or X (ADULT) cannot play unless you enter your password.
Or, press ▼ repeatedly to select Off in the next menu select if you want to disable this feature completely. All Discs will play.

**RATING EXPLANATIONS**

- ADULT - Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.
- NC-17 - No children under age 17; not recommended viewing for children under age 17.
- R - Restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- PGR - Parental Guidance Required
- PG 13 - Material is unsuitable for children under age 13.
- PG - Parental Guidance suggested.
- G - General Audience; recommended as acceptable for viewers of all ages.
- KID SAFE - Safe for children to view

**6** A screen will prompt you to enter your password. Press the Number buttons to enter your four-digit password, then press OK. Your password will not appear on the TV screen, but Xs will show as you enter each digit. Password details are on page *28*.

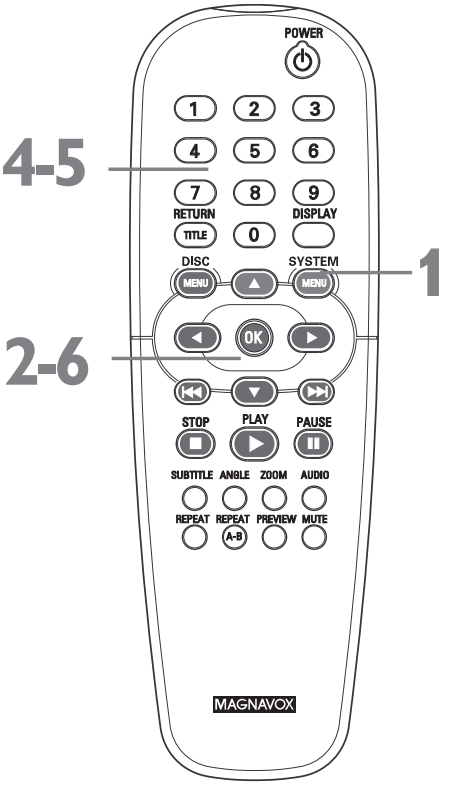
**7** Press SYSTEM MENU to remove the menus.

### *Helpful Hints*

- *When you press STOP ■ twice to stop DVD playback so you can adjust the Parental level, playback automatically starts at the beginning of the DVD when you resume playback.*
- *The Parental settings do not affect Video CDs, Super Video CDs, or Audio CDs. Parental only affects DVD playback.*

# 30 Program (not for Picture CD/MP3)

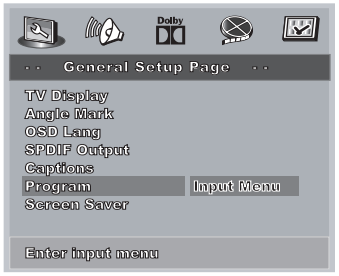
You may play Tracks or Chapters in an order you specify instead of normal order (1, 2, 3, etc.). The order you set is a Program. For example, if you want to set up an Audio CD so Track 12 will play first, put Track 12 in Program position number one (1).
To set up a Program, follow these steps.



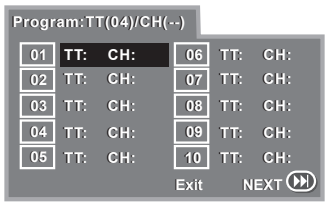

**1** Press **SYSTEM MENU.**

**2** The General Setup Page will be selected. **Press OK or ▼.**

**3** Press ▼ to select Program. Press ▶ to select Input Menu.




**4** Press OK. The Program menu will appear. This is where you enter the Track/Chapter numbers in the order in which you want to play them. The Number 1 space will be selected automatically as your starting point.
While the Number 1 space is highlighted, press the Number buttons to enter the Title and/or Chapter/Track number you want to play first. The number of available Titles, Chapters, or Tracks will appear at the top of the screen. Precede single-digit numbers with a zero. For example, for Track six, press 0, 6.




Audio CD example

**5** Use the ▲ ▼ ◀ ▶ buttons to move to the next Program position. Use the Number buttons on the remote to enter other Titles/Chapters/Tracks. Repeat this process to fill the Program.
If you enter an incorrect Title/Chapter/Track number, press ▲▼ ◀ ▶ to select the Program position. Use the Number buttons to reenter the correct Title/Chapter/Track number.
To delete an item from the Program, use the ▲ ▼ ◀ ▶ buttons to select it. Then press OK or PLAY ▶ to erase the item.

**6** When you have entered all the items you want, press **▼, ◀, and/or ▶** to select Start at the bottom of the screen. Then, press OK. This will start the Tracks in the Program. The Program will start playing automatically.
To resume normal playback, press STOP ■ once to stop playing the Program. Press PLAY ▶ to start play at the beginning of the Disc.

### *Helpful Hints*

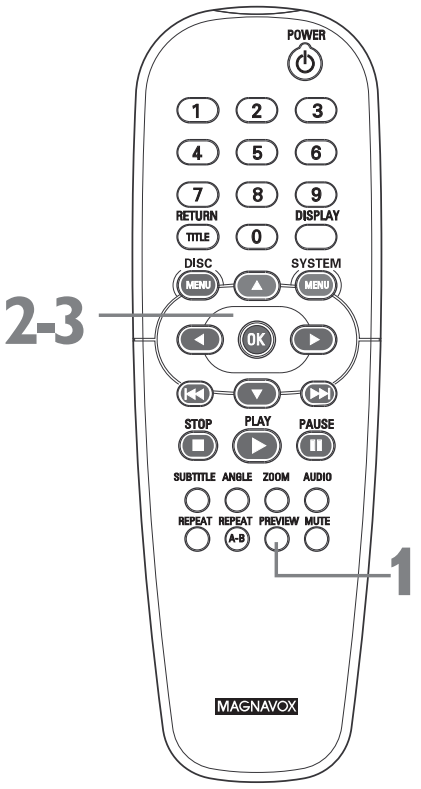
- *To access other Program Pages, press Previous ⏮ or Next ⏭.*
- *To play a Program repeatedly, press REPEAT during playback until ALL appears on the TV screen.*
- *To stop entering Tracks in the Program, press ▼ and ◀ or ▶ to select Exit at the bottom of the screen, then press OK. When you play the Disc, Tracks will play in normal order (1, 2, 3, etc.).*
- *The Program will accept a Title/Chapter/Track number only if it is on the current Disc.*

MDV455_17x 11/11/03 4:34 PM Page 31

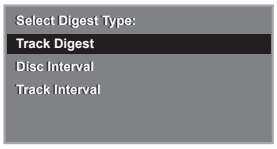


DVD | VIDEO CD

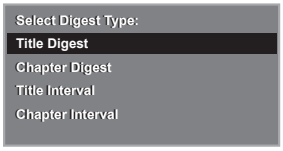
Some Video CDs or Super Video CDs may contain preview or introductory information. If you are not sure of the contents of a Video CD or its Tracks, use the Preview features to see the content of the Tracks. Not all Video CDs contain this information. See your Disc case for details.




**1** **Press the PREVIEW button to see the Preview menu.**




Video CD example




DVD example

**2** **Press ▲ or ▼ to select an option, then press OK.**

• If you select Track Digest, Title Digest or Chapter Digest, the first five seconds of that segment(s) will play. A picture of each segment will appear on the screen. This introduces you to the contents of each Track, Title or Chapter.

To play a certain segment, press ▲ to go to the Select line. Press the Number buttons to enter the Track/Title/Chapter you want. Then, press OK to start playback.

Six segments will show on the screen at a time. To see other segments, press Previous I◄◄ or Next ►►I on the remote.

• Disc Interval (VCD) and Title Interval (DVD) divide a Disc or Title into intervals of 10 minutes. To start playing the Disc from a certain interval, press ▲ to go to the Select line. Press the Number buttons to choose a segment (01-06), then press OK to start play from that point.

• Track Interval (VCD) and Chapter Interval (DVD) divide a single Track or Chapter into six intervals. To play the Track from a certain interval, press ▲ to go to the SELECT line. Press the Number buttons (01-06) to choose a segment, then press OK to start play from that point.

**3** **To remove the PREVIEW menus, press ▼ and/or ◄ to choose Exit, then press OK.**
**To go to the first PREVIEW screen, press ▼ and/or ► to select Menu, then press OK.**

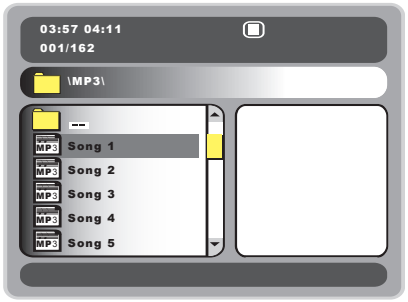
# 32 JPEG and MP3 Features

## General Information on CD-R and CD-RWs

- When you make Picture CDs or MP3 CDs to play on this DVD Player, the Disc should have at least 6-10 pictures or 2-3 MP3 music files. Make sure there is at least 3 MB (three megabytes) of information on the Disc. The maximum files per folder is 500.
- JPEG file names should end with the ".jpg" extension.
- To play a JPEG or MP3 file, press the Number buttons to select an item, then press OK. Or, press ▲, ▼, ◀, or ▶ to select an item when play is stopped, then press OK.

## MP3/JPEG playback

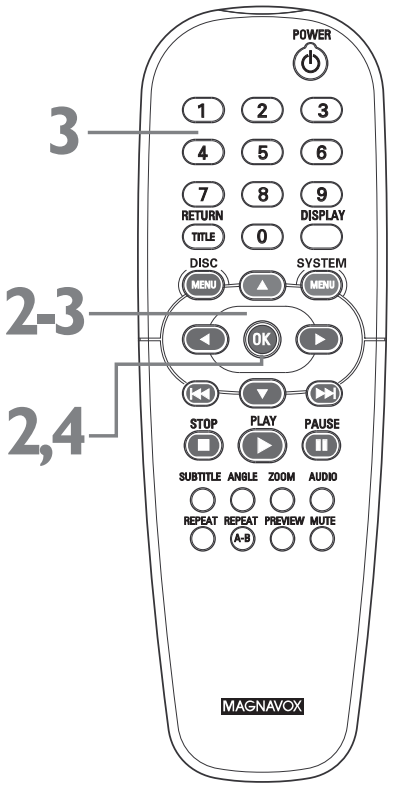
**1** Load a Disc that contains MP3 or JPEG files.
A menu that lists the available Tracks or images will appear.




**2** Press ▲ or ▼ to select a folder, than press **OK** to open the folder.
Press ▶ to enter the file list.

**3** Press ▲ or ▼ or use the **numeric keypad (0-9)** to choose an MP3 Track or JPEG image.

**4** Press **OK** to play the item you selected.




## JPEG features

- While playback is stopped, you will see miniature images of the pictures. A maximum of 12 images will appear. Press Previous |◀◀ or Next ▶▶| to see the other pictures on the Disc.
- Press ▲, ▼, ◀, or ▶ to select Slide Show, then press OK. This will play all the files, beginning with the first picture on the current page.
- During JPEG playback. Press ZOOM repeatedly to enlarge or reduce a JPEG image. Press ▲, ▼, ◀, or ▶ to move through the picture.
- During JPEG playback, press ▲, ▼, ◀, or ▶ to flip or rotate the image. Press ANGLE to choose different angles of the picture.

## Repeat/Shuffle (JPEG/MP3)

- While the menu is on the screen, press REPEAT repeatedly to choose:
  Single - Play the selected file once.
  Repeat One - Keep a JPEG image still on the screen or play an MP3 file repeatedly.
  Repeat All - Play all files in the selected folder repeatedly.
  Shuffle - Play all files in the selected folder in random order.

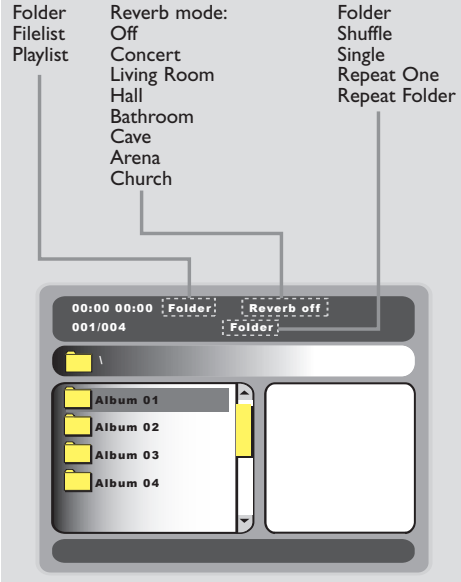
## Program (JPEG/MP3)

- When the menu is on the screen, press DISC MENU repeatedly to toggle the menu between Folder and Filelist.
- With Filelist selected, press ▲ or ▼ to highlight the files you want to add to the program. Press ▶ to add the file to the playlist.
- Press DISC MENU to display the Playlist.
- Press ◀ to delete unwanted files from the Playlist.
- Turning off the DVD Player will erase the Program.

## MP3 playback features

- During playback, press ◀ or ▶ to fast forward or reverse playback. Press PLAY ▶ to resume normal play.
- Press Previous |◀◀ or Next ▶▶| to select other Tracks or files during play.

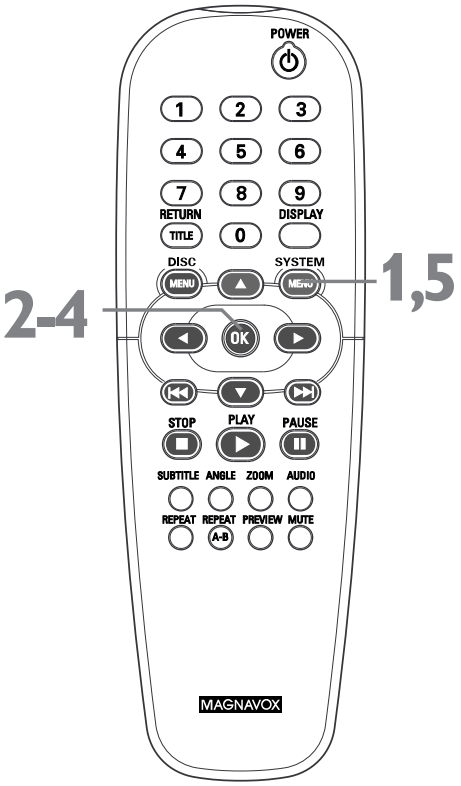
## Program (JPEG/MP3) menu display



MDV455_17x 11/11/03 4:34 PM Page 33



You may set the DVD Player to play video in one of three formats: Letterbox, Pan & Scan, or Widescreen (16:9). To choose a format, follow these steps. The format you select must be available on the Disc. If it is not, the settings for TV Display will not affect the picture during playback.

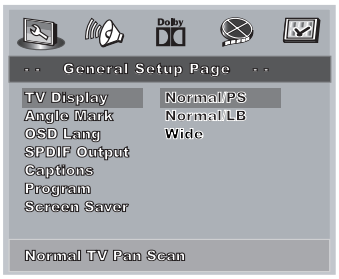



**1** Press SYSTEM MENU **while Disc play is stopped.**

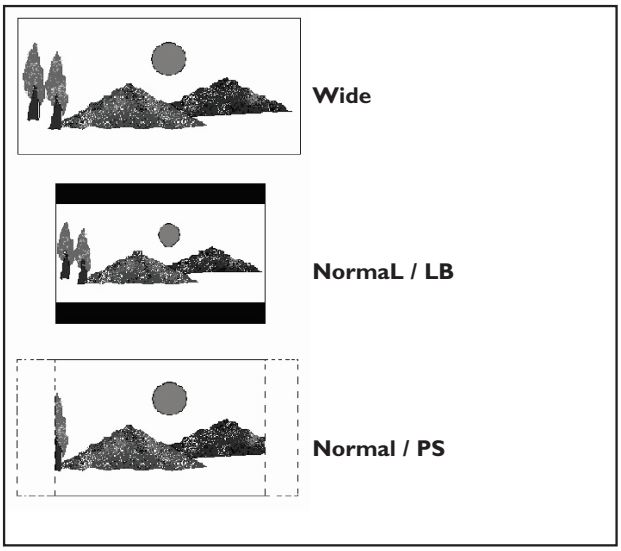
**2** The General Setup Page will be selected. **Press OK.**

**3** TV Display will be selected. **Press ▶.**

**4** Press ▲ or ▼ to select Normal/PS, Normal/LB or Wide, then **press OK.**
Select Normal/PS (4:3 Pan Scan) if you want the picture to be trimmed or formatted to fit your TV screen. This setting is possible only if the DVD is recorded in pan & scan or regular format. Check the Disc case for details.
Select Normal/LB (4:3 Letter Box)if you want to see the entire, widened picture with black bars at the top and bottom of the screen. This looks like the picture you see when watching movies in a theater. This setting is possible only if the DVD was recorded in the letterbox or widescreen format. Check the Disc case for details.
Select Wide (16:9 Widescreen) if you connected the DVD Player to a widescreen TV.




**5** **Press SYSTEM MENU to remove the menus.**

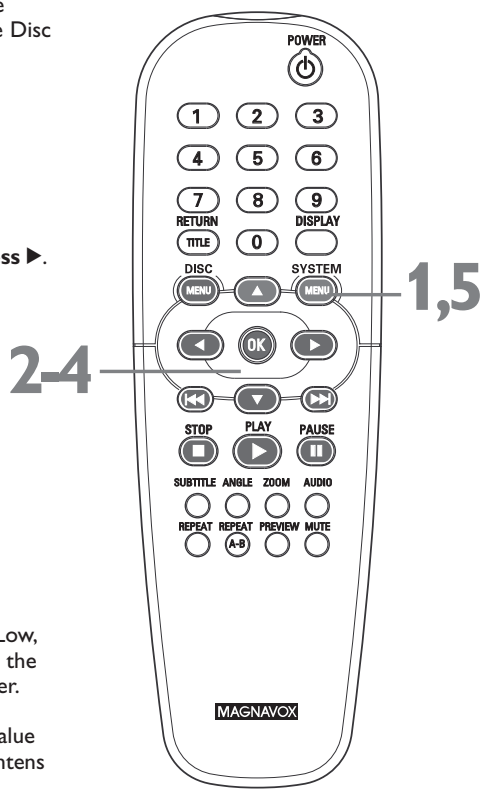



### *Helpful Hints*

- *DVDs only play in the format in which they were recorded. For example, if the DVD case says the DVD is recorded in Letterbox or Widescreen format, you may play the DVD only with the black bars showing at the top and bottom of the widened picture. Even if you set TV Display to 4:3 PANSCAN, the picture will show in the widened format.*
- *Some widescreen TVs may show only part of the DVD Player's menu. Adjust the screen mode on your TV. See your TV owner's manual for details.*

# 34 Video Setup

Just as you can adjust your picture on your TV, you can adjust some picture elements at the DVD Player. Choose a picture setting that best displays the Disc you are playing.




**1** Press **SYSTEM MENU.**

**2** Press ▶ to select the Video Setup Page. **Press OK or ▼.**

**3** Press ▲ or ▼ to select Brightness, Contrast, or Sharpness, then **press ▶.**

**4** If you selected Sharpness, press ▲ or ▼ to select High, Medium or Low, then press OK. Medium is the default setting. Choose High to make the picture's edge Sharper. Choose Low to make the picture's edge softer.

If you selected Brightness or Contrast, press ◀ or ▶ to adjust the value of that element. For Brightness, choosing a more positive value brightens the color on the screen and seems to add white to the picture. Choosing a more negative value darkens the colors in the picture. Choose zero (0) for the average setting.

For Contrast, choosing a more positive value adds more noticeable difference between the black and white in your picture and sharpens the picture. Choose a more negative Contrast value to blur the distinction between black and white in the picture. The picture will not seem as sharp.

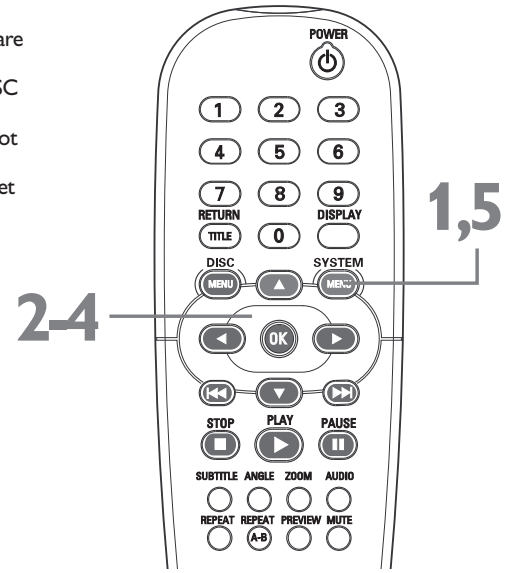
**5** When you are finished, press **SYSTEM MENU**.

MDV455_17x 11/11/03 4:34 PM Page 35



## TV Type

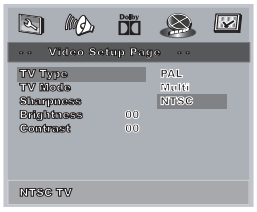
DVDs are recorded according to a color system, the most common of which are NTSC and PAL. NTSC is the most common in the United States. Your TV also operates according to a color system. This DVD Player is compatible with NTSC and PAL. However, in order for a DVD to play on this DVD Player, the color system of the DVD, the TV, and the DVD Player should match. If all three are not the same, the DVD may play in only black and white, the picture may roll continuously, or the picture may appear distorted. This feature allows you to set the DVD Player to match the color systems of your DVD and your TV.




1 Press **SYSTEM MENU.**

2 Press ▶ to select the Video Setup Page. **Press OK or ▼.**

3 TV Type will be selected. **Press ▶.**



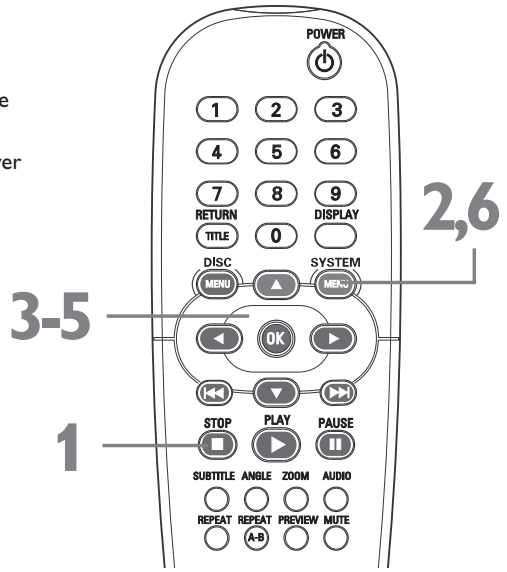

4 Press ▲ or ▼ to select PAL, Multi or NTSC, then press OK. Choose NTSC if your TV is NTSC-compatible and your DVDs are recorded in NTSC. Choose PAL if your TV is PAL-compatible and your DVD is recorded in PAL. Choose Multi if your TV is compatible with both NTSC and PAL and you want the DVD Player to automatically select the color system of the current DVD.

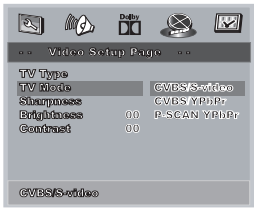
5 **Press SYSTEM MENU to remove the menus.**

## TV Mode

This player provides both interlaced video and progressive scan video (YPbPr). Select TV Mode according to which TV jacks you connected the DVD Player.

No picture will appear if the selected TV Mode does not match your TV connection. In this case, press OPEN/CLOSE ▲ button to open the disc tray follow by numerical keypad "0" repeatedly until the picture appears.




1 Press Stop ■ twice to stop play completely.

2 Press **SYSTEM MENU.**

3 Press ▶ to select the Video Setup Page, then **press OK or ▼.**

4 Press ▼ to select TV Mode, then **press ▶.**

5 Press ▲ or ▼ to select CVBS/S-video, CVBS/YPbPr, or P-SCAN YPbPr. Then press OK. Make sure your selection matches your TV and DVD Player connection. Otherwise, you will not have a DVD picture at the TV.

6 Press SYSTEM MENU remove the menus.

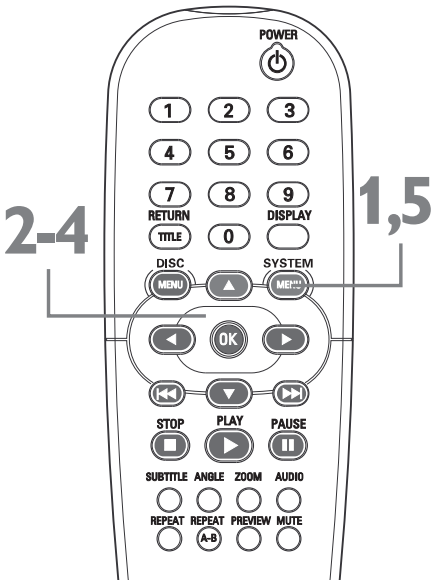
### *Helpful Hints*

- *Your DVD must be recorded in NTSC or PAL. Discs recorded in other color systems will not play on this DVD Player. Check the Disc case for details. NTSC or PAL may appear on the inside ring of the DVD.*
- *If the selected TV Mode in the DVD player does not match to your TV video format, the picture on your TV set will be lost. When this happen, open the disc tray by pressing OPEN/CLOSE ▲ button on the DVD Player, then press "0" on the remote repeatedly to restore picture.*

# 36 Downmix, Dual Mono

## Downmix

Use the Speaker Setup Page to adjust some of the player's audio settings. Adjust Downmix according to how you connected the Player to your TV and/or Stereo.




1 Press **SYSTEM MENU**.

2 Press ▶ to select the Speaker Setup Page, then **press OK or ▼**.

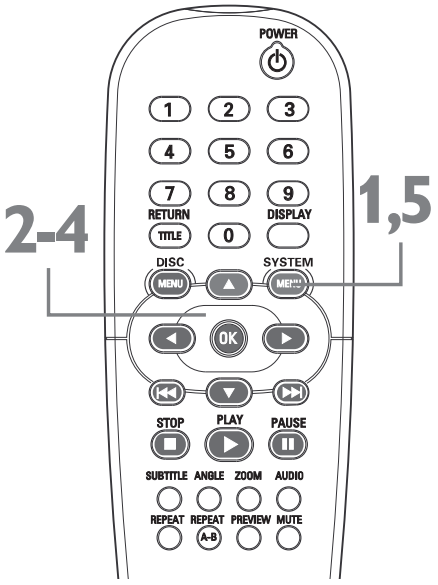
3 Downmix will be selected. **Press ▶**.

4 Press ▲ or ▼ **t**o select LT/RT (left/right) or STEREO, then press OK. Choose LT/RT mode if you connect the Player to a receiver that has Dolby Pro Logic decoding. Select STEREO if you connect the Player to a TV or receiver that has left and right Audio input jacks but does not have Dolby Pro Logic decoding. *Details are on page 14.*

5 Press SYSTEM MENU to remove the menus.

## Dual Mono

Use the Dolby Digital Setup Page to adjust Dual Mono.



1 Press **SYSTEM MENU.**

2 Press ▶ to select the Dolby Digital Setup Page. **Press OK or ▼**.

3 Dual Mono will be selected. **Press ▶.**

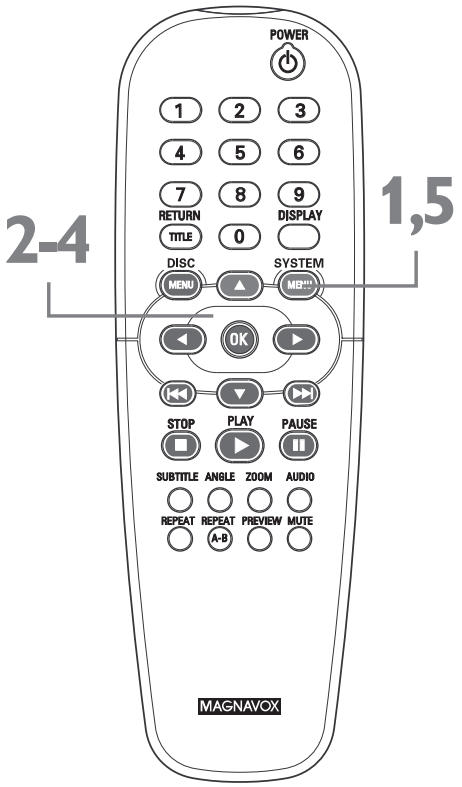
4 Press ▲ or ▼ to select the setting that matches the number of speakers you have, Choose Stereo when you have two speakers. Choose L-Mono, R-Mono or Mix-Mono, when you have just one speaker.

5 Press SYSTEM MENU to remove the menus.

MDV455_17x 11/11/03 4:34 PM Page 37



If you connected the DVD Player to a Stereo using the COAXIAL jack as shown on page 15, you need to adjust the SPDIF OUTPUT (digital audio) setting as described below. If you are not using the COAXIAL jack, no adjustment is necessary.

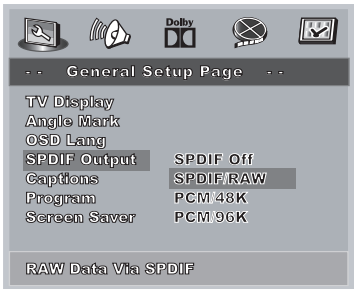



**1** Press **SYSTEM MENU.**

**2** The General Setup Page will be selected. **Press OK or ▼.**

**3** Press ▼ repeatedly to select SPDIF Output, then **press ▶.**

**4** Press ▲ or ▼ to select SPDIF Off, SPDIF/RAW, PCM/48K or PCM/96K, then press OK.
Choose SPDIF/RAW to select the original default audio settings as received by most Stereos. However, if the sound is distorted, your Stereo may need to receive audio in the PCM format (pulse code modulation, contains only left and right audio signals).
Discs are recorded in a certain sampling rate. The higher the sampling rate,the better the sound quality. Some Discs are recorded in a high sampling rate of 96KHz. Select PCM/96K if you are playing Discs recorded at this high rate. Otherwise, select PCM/48K.
Choose PCM/48K or PCM/96K only if your Stereo is PCM-compatible. Or, if your Stereo cannot decode MPEG-2 or DTS audio, choose SPDIF/RAW.
Refer to your Stereo owner's manual for details.




**5** Press SYSTEM MENU to remove the menus.

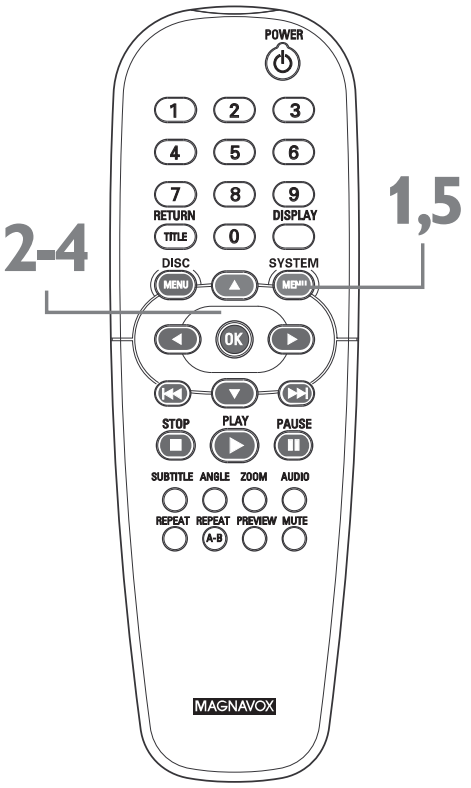
**Helpful Hint**

- *SPDIF is the Sony-Philips Digital Interface.*

# 38 Equalizer (EQ) Type, Reverb Mode

## Equalizer (EQ) Type

Select the EQ Type that matches the type of music you play most often. These preset EQ Type adjust the frequency bands of the audio to enhance your favorite music style. Of course, if you vary your music style frequently, the EQ Type is easy to adjust.




1 Press **SYSTEM MENU.**

2 Press ▶ to select the Speaker Setup Page, then **press OK or** ▼.

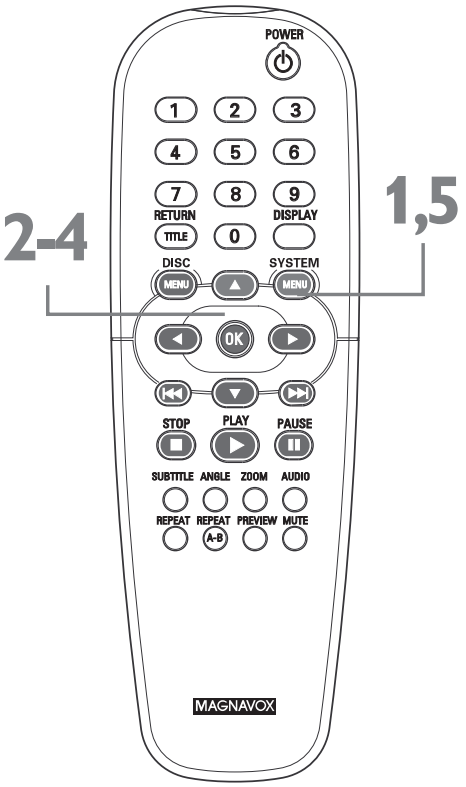
3 Press ▼ to select EQ Type, then **press** ▶.

4 Press ▲ or ▼ to select None, Rock, Pop, Live, Dance, Techno, Classic or Soft, then press OK.
Choose None to play the Disc with its original sound effects.

5 Press SYSTEM MENU to remove the menus.

## Reverb Mode

During music playback, this feature simulates echoes and frequencies that may be available in a particular environment. Choose the environment that you would like to recreate by changing the Reverb Mode setting.




1 Press **SYSTEM MENU.**

2 Press ▶ to select the Speaker Setup Page, then **press OK or** ▼.

3 Press ▼ to select Reverb Mode, then **press** ▶.

4 Press ▲ or ▼ to select Off, Concert, Living Room, Hall, Bathroom, Cave, Arena or Church, then press OK.
Choose OFF to play the Disc with its original sound effects.

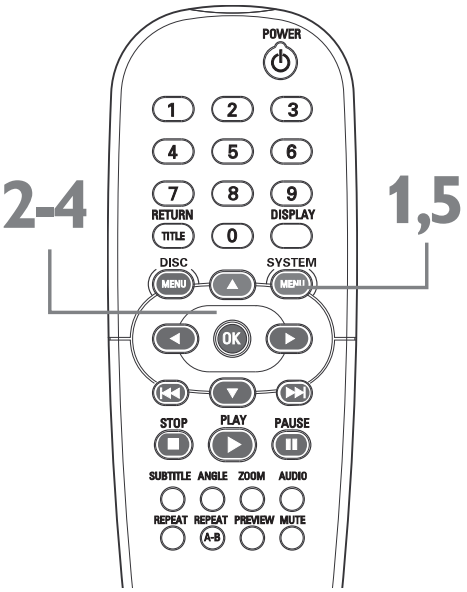
5 Press SYSTEM MENU to remove the menus.

MDV455_17x 11/11/03 4:34 PM Page 39



## Display Language

You can set the DVD Player's Setup menus and on-screen messages to appear in English or Spanish. These are the only two languages available. This language selection will not affect the languages of DVD Disc or Title menus or any audio, subtitle, or Closed Caption languages. To change the DVD Player's menu language, follow these steps.




1 Press **SYSTEM MENU.**

2 The General Setup Page will be selected. **Press OK or ▼.**

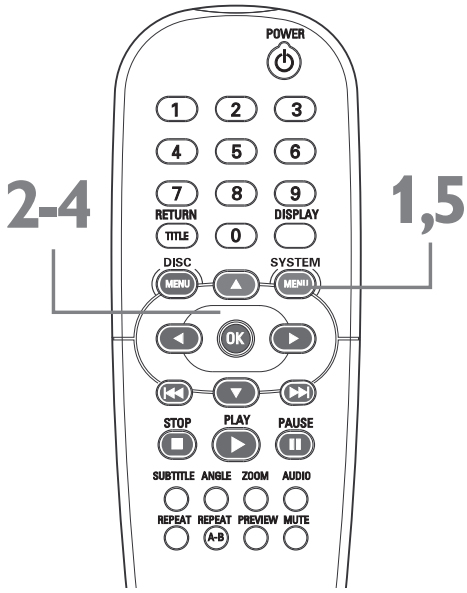
3 Press ▼ to select OSD Lang (language), then **Press ▶.**

4 Press ▲ or ▼ to select English or Spanish, then **press OK.**

5 Press SYSTEM MENU to remove the menus.

## Closed Captions

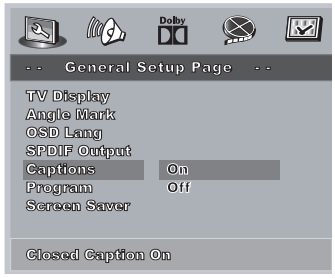
Closed captions are hidden in the video signal of some Discs. Different than subtitles, closed captions are intended for the hearing impaired and also show sound effects. For example, closed captions may include information such as "phone ringing" or "footsteps approaching," while a subtitle would only show spoken text. Though you can turn on Closed Captions in the DVD Player's menu, the captions must be available on the Disc. Also make sure you turn on Closed Captions on your TV. Otherwise, the captions will not appear.




1 Press **SYSTEM MENU.**

2 The General Setup Page will be selected. **Press OK or ▼.**

3 Press ▼ to select Captions. Press ▶.




4 Press ▲ or ▼ to select On or Off, then **press OK.**

5 Press SYSTEM MENU to remove the menus.

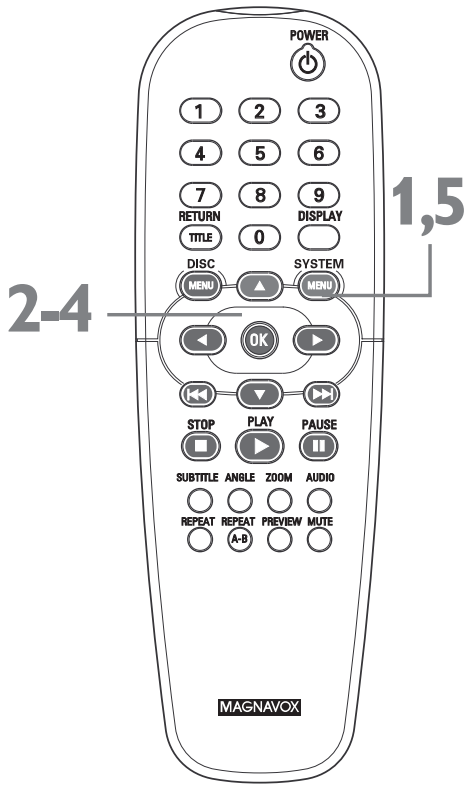
### *Helpful Hint*

- *If you accidentally set ODF Lang to Spanish and you need to restore the English menus: Press SYSTEM MENU. PAG.DE CONFIG. GENERAL be selected. Press OK. Press ▼ to select LENGUAJE DE, then press ▶ . Press ▲ to select English, then press OK. Press SYSTEM MENU to remove the menus.*

# 40 Screen Saver, Angle Mark

## Screen Saver

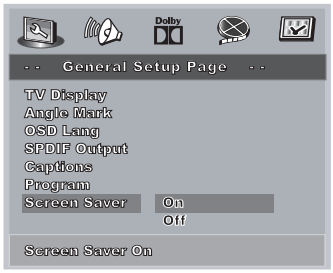
The Screen Saver is the moving DVD logo that appears on your TV screen when playback is stopped. It prevents damage to your TV screen caused by leaving a still image on the TV too long.




1 Press **SYSTEM MENU.**

2 The General Setup Page will be selected. **Press OK or ▼.**

3 Press ▼ to select Screen Saver, then **press ▶.**

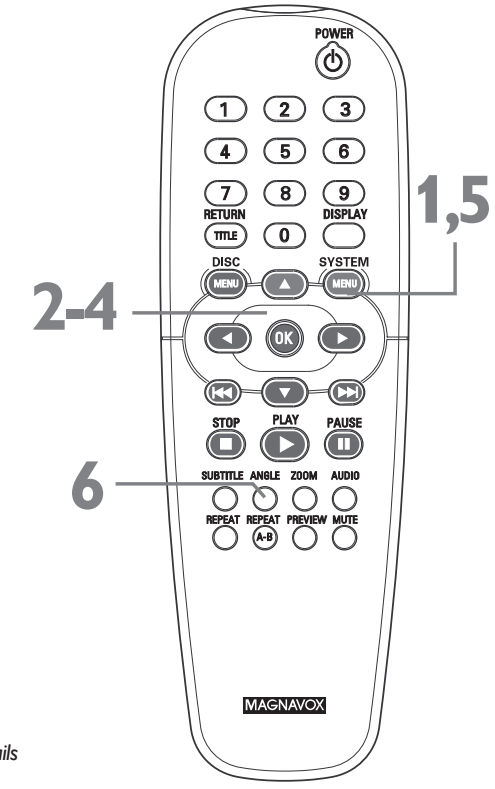



4 Press ▲ or ▼ to select On or Off, then press OK. Choose On to have the Screen Saver appear on your TV screen when you have not used the Player or its remote for approximately five minutes and playback is stopped. To disable the screen saver, choose Off. A dark blue DVD screen will appear when playback is stopped.

5 Press SYSTEM MENU to remove the menus.

## Angle Mark

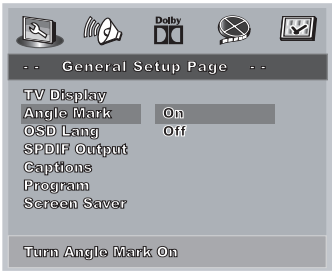
Some DVD contain scenes that you can view from different angles or perspectives. If available, you can set the Angle Mark to appear during DVD playback to remind you when multiple angles are available.




1 Press **SYSTEM MENU.**

2 The General Setup Page will be selected. **Press OK or ▼.**

3 Press ▼ to select Angle Mark, then **press ▶.**




4 Press ▲ or ▼ to select On or Off, then **press OK.**

5 Press SYSTEM MENU to remove the menus.

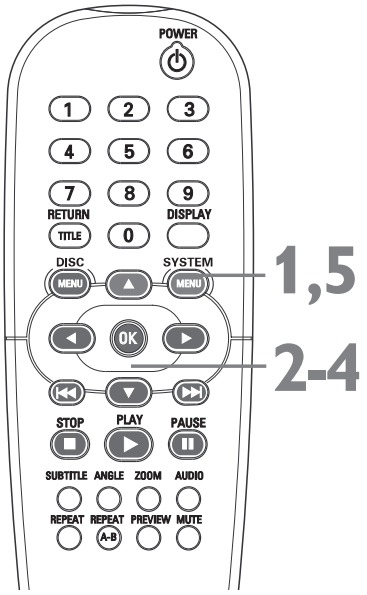
6 During DVD play, if the Angle Mark ( ) appears, press the ANGLE button repeatedly to see the picture from a different perspective. *Details are on page 23.*

MDV455_17x 11/11/03 4:34 PM Page 41



## Post DRC

The Post DRC (Dynamic range control) compresses or softened the high volume outputs and low volume outputs are brought upward to an audible level.




**1** Press **SYSTEM MENU**.

**2** Press ◄ or ► to select Speaker Setup Page, **press OK or ▼**.

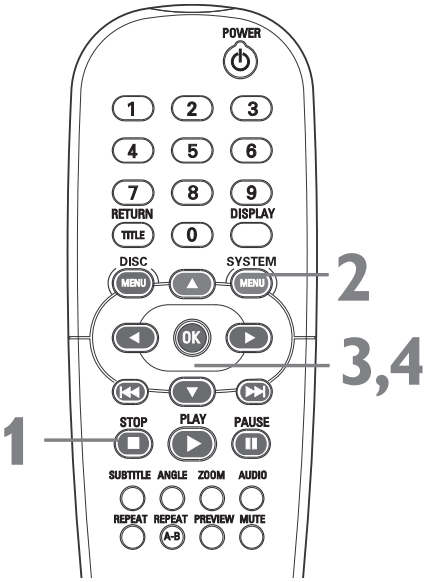
**3** Press ▼ to select Post DRC, then **press ►**.

**4** Press ▲ to ▼ to select On, Off or Auto, then press OK.
Choose 'On' to adjust smaller sound level output at the Audio Left and Audio Right, Choose 'Off' to disable Post DRC or select 'Auto' to adjust the dynamic level automatically according to the disc record.

**5** Press SYSTEM MENU to remove the menus.

## DVD Player Defaults

To restore the original settings of the DVD Player, follow the steps below.

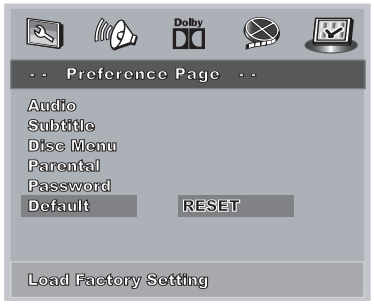



**1** Press STOP ■ twice to stop Disc playback completely.

**2** Press **SYSTEM MENU**.

**3** Press ► to select the Preference Page, then **press OK or ▼**.

**4** Press ▼ to select Default. Press ► to select RESET, then press OK.
The original settings of the DVD Player will be restored. Then menus will disappear automatically.




### *Helpful Hint*

- *Restoring the Defaults will reset the Player's menus to English.*

# 42 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.
If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is on the rear of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you.

**No power**
- Press the STANDBY-ON ⏻ button on the front of the DVD Player. The ON light will appear when the power is on.
- Make sure you connected the DVD Player's power cord to an AC power outlet.
- Make sure the AC outlet has power by trying another appliance in the same outlet.

**No picture**
- Make sure the TV power is on.
- Check the video cables. Make sure the cable(s) are fastened securely to the DVD Player and to the TV.
- Set your TV to the correct Video In channel. These channels are usually near channel 00. Or, you may have a button on the TV remote control that selects an Auxiliary or A/V IN channel. See your TV owner's manual for details. Or, go to your lowest TV channel (01 or 02), then change channels down until you see DVD playback or the DVD Player's screen saver on the TV.
- You only need one video connection between the DVD Player and the TV. *Details are on page 9.*

**Distorted picture**
- Check the Disc for fingerprints or scratches. Clean the Disc with a soft cloth, wiping from the center to the edge in a straight line. Do not wipe the Disc in a circular motion.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

**The picture is distorted, the picture rolls, or the picture is only black and white.**
- TVs have a color system standard, usually NTSC in the United States. If the Disc's or DVD Player's color system is different than your TV's color system, the picture may be distorted or colorless. *Details are on page 35.*
- A DVD or Video CD picture may become distorted or black and white if you switch among PAL and NTSC (for TV Type). If so, set TV type items to correct the picture. *Details are on page 35.*

**The sound is distorted or there is no sound during Disc playback.**
- Make sure you did not connect any cables from the DVD Player to a Stereo's "PHONO IN" jack.
- Make sure you did not connect the Player's COAXIAL digital audio out jack to an analog jack on the Stereo. (Analog audio jacks are usually labeled as such and are usually red and white. Coaxial jacks are usually black.)

**No sound**
- Check the audio connections. *Details are on pages 10-15.* Remember, you only need one audio connection. See page nine to see what connection best suits your situation.
- Make sure cables are connected firmly to all equipment.
- Select another channel, sound source, or Auxiliary station at your Stereo or TV. See your Stereo or TV manual for details. Or, continue selecting the different sound sources or modes on the Stereo or TV until you hear sound from the Disc that is in the DVD Player. *Details are on pages 10-15.*
- Make sure your Downmix, SPDIF Output settings match the capabilities of your Stereo or TV. *Details are on pages 36-37.*
- Check the Audio setting of a DVD in the DVD Disc Menu, if available, and adjust as necessary.

MDV455_17x 11/11/03 4:34 PM Page 43



**Disc will not play.**
- Make sure the Disc label is facing up. If you are playing a two-sided Disc, make sure the label of the side you want to play is facing up. *Details are on page 16.*
- Check the Parental Controls. *Details are on pages 28-29.*
- Check the Region Code of the DVD. The DVD must be coded for All regions or Region 1 in order to play on this DVD Player. *Details are on page 7.*
- See if the Disc is defective by trying another Disc. Make sure the Disc is not scratched or warped. Carefully clean the Disc. *Details are on page 6.*
- You must finalize CD-R, DVD+R, and DVD+RW discs before playing them on this Player.
- If you are playing a CD-R or CD-RW you made, make sure it contains at least 3 MB of data. *Details are on page 32.*

**An Audio CD will not play.**
- Some Audio CDs available on the market are copy protected. These discs will not play on this DVD Player. See your retailer for options regarding non-protected Audio CDs.

**The DVD logo does not appear on the TV screen after you remove a Disc.**
- Reset the DVD Player by switching it off, then on again.

**The DVD Player does not respond to the remote control.**
- Aim the remote at the Remote sensor on the front of the Player (not the TV).
- Remove any obstacles between the DVD Player and the remote control. Move closer to the Player and try the remote again.
- Inspect or replace the batteries in the remote control. *Details are on page 8.*

**The DVD Player will not select some features, such as Angles, Subtitles, or multi-language Audio.**
- The feature may not be available on the Disc. If it is not, the ∅ will appear on the TV screen. Check the Disc case to see if the Disc has the feature. If the Disc does not have the feature, the DVD Player cannot create the feature. This is not a malfunction of the DVD Player.
  Or, the feature may not be available at the present time. Some features are only available during playback, while other items can be accessed only when play is stopped. Try stopping or starting playback, then try the feature again.

**The DVD Player does not work.**
- Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate the Player again as usual.

**The DVD Player turns itself off.**
- If there is no activity at the DVD Player or with its remote control for 25 minutes and playback is stopped, the Player will turn itself off. This is an energy-saving feature (Smart Power) that cannot be altered. Press STANDBY-ON ⏻ on the Player or POWER ⏻ on the remote to turn on the Player again.

**Disc play is irregular or DVD Disc menu operation is faulty.**
- Due to the inconsistency of Disc formats provided by various Disc manufacturers, your DVD Player may require a playability enhancement or upgrade. As DVD technology has advanced, these enhancements have become both common and easy to complete.
  Please contact Magnavox at 1-800-705-2000 for assistance.

# 44 Glossary

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. Analog sound is available when you use the red and white audio jacks on your equipment. These jacks send audio through two channels, the left and right.

AUDIO OUT Jacks: Jacks on the rear of the DVD Player that send audio to another system (TV, Stereo, etc.). The jacks are red and white.

CD: Compact Disc.

Chapter: A part of a Title.

COAXIAL jack: Sends digital audio to a Stereo, allowing you to adjust the volume at the Stereo. The Stereo must have a Coaxial In jack. This connection provides the 5.1 channel surround sound as heard in movie theaters. The COAXIAL jack on the DVD Player is black.

Color system: There are various systems for transmitting television signals, for example PAL, SECAM, and NTSC. NTSC is the most common color system in the United States of America.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the Player's COAXIAL jack, which sends audio through multiple channels instead of two channels as analog does.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters.

DVD: Digital Video Disc.

Interlaced Scan: A video scanning system in which alternating lines are transmitted so half a picture is displayed each time the scanning beam moves down the screen. An interlaced frame has of two fields.

Letterbox: Widescreen format; a TV aspect ratio setting (4:3). Displays the video in full-width, with black bars at the top and bottom of the TV screen. This format is similar to seeing a movie in a theater. If the Disc does not include a letterbox format, selecting letterbox may have no effect. Some DVDs are two-sided, with one side playing in widescreen format and the other side playing in a normal (pan & scan) format.

Pan & Scan: A TV aspect ratio setting (4:3). Displays the video with full-height picture with one or both sides of the picture trimmed to fit on your TV screen. Some movie companies refer to this as "reformatting the picture to fit your TV screen."

PBC: Playback Control. A special feature on some Video CDs/Super Video CDs that enables interactive use.

PCM: Pulse Code Modulation. A digital audio encoding system.

RGB: Red-Green-Blue. A top-quality video connection where red, green, and blue components of the picture are carried through separate wires. This also is referred to as the component video connection.

Progressive Scan: A video scanning system that displays all lines of a frame in one pass.

S-Video: Produces a clear picture by sending separate signals for the luminance and the color.

Title: A unit of recording on a DVD.

VCD: Video Compact Disc.

VIDEO OUT Jack: Yellow jack on the rear of the DVD Player that sends video (picture) to a TV.

Widescreen: A TV aspect ratio setting (16:9). Displays the video appropriately when you connect the DVD Player to a widescreen TV.

Y Pb/Cb Pr/Cr Jacks: The Video Out jacks on the rear of the DVD Player that send high-quality video to a TV that has Component Video In jacks. The jacks on the DVD Player are red, blue, and green.

MDV455_17x 11/11/03 4:34 PM Page 45



## Specifications

### PLAYABLE DISCS

| | |
|---|---|
| DVD-Video | Audio CD |
| Video CD | Super Video CD |
| Picture CD | MP3-CD |
| CD Recordable (CD-R) | CD Rewritable (CD-RW) |
| DVD Recordable (DVD+R) | DVD Rewritable (DVD+RW) |

### TV STANDARD

| | PAL/50Hz | NTSC/60Hz |
|---|---|---|
| Number of lines | 625 | 525 |
| Playback | Multistandard | (PAL/NTSC) |

### VIDEO PERFORMANCE

| | |
|---|---|
| VIDEO OUT | 1Vpp---75Ω |
| S-VIDEO OUT | Y: 1.00Vpp---75Ω |
| | C: 0.30Vpp---75Ω |
| Y Pb Pr (MDV421SL only) | Y: 1.00Vpp---75Ω |
| | Pb: 0.7Vpp---75Ω |
| | Pr: 0.7Vpp---75Ω |

### CABINET

| | |
|---|---|
| Dimensions (w x d x h): | 17.1 x 9.1 x 2.2 inches (435 x 235 x 55 mm) |
| Weight: | Approximately 4.85 lbs (2.2 kg) |

### REAR CONNECTIONS

| | |
|---|---|
| Component Video Out | Cinch (green/blue/red) |
| S-Video Out | Mini DIN 4-pins |
| Video Out | Cinch (yellow) |
| Audio Out | Cinch (white/red) |
| Digital Audio Out | One coaxial<br>IEC958 for CDDA/LPCM/MPEG1<br>IEC1937 for MPEG2, Dolby Digital, and DTS |

### AUDIO FORMAT

| | | |
|---|---|---|
| Digital | Mpeg/ AC-3/ DTS | compressed Digital |
| | PCM | 16, 20, 24 bits<br>fs, 44.1, 48, 96 kHz |
| | MP3(ISO 9660) | 24, 32, 56, 64, 96, 128, 256 kbps & variable bit rate fs, 16, 22.05, 24, 32, 44.1, 48kHz |
| Analog Sound Stereo | | |

### AUDIO PERFORMANCE

| | | |
|---|---|---|
| DA Converter | 24 bit | |
| Signal to Noise (1kHz) | 90 dB | |
| Dynamic range (1kHz) | > 80 dB | |
| DVD | fs 96 kHz | 4 Hz -44 kHz |
| | fs 48 kHz | 4 Hz -22 kHz |
| Super Video CD | fs 48 kHz | 4 Hz -22 kHz |
| | fs 44.1 kHz | 4 Hz -20 kHz |
| Video CD/Audio CD | fs 44.1 kHz | 4 Hz -20 kHz |

### LASER

| | |
|---|---|
| Type | Semiconductor laser GaAlAs |
| Wavelength | 650nm (DVD)<br>780nm (Video CD/Audio CD) |
| Output power | 7mW (DVD)<br>10mW (Video CD/Audio CD) |
| Beam divergence | 60 degree |

## Language Codes

**You will need these codes if you want a different language for Subtitles, Audio, or Disc menus.** ***Details are on pages 25-27.***

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | | | | P | | | |
| Abkhazian | 6566 | Slavonic | 6785 | Hiri Motu | 7279 | Limburgish | 7673 | Pali | 8073 | Tajik | 8471 |
| Afar | 6565 | Chuvash | 6786 | Hungarian | 7285 | Lingala | 7678 | Panjabi | 8065 | Tamil | 8465 |
| Afrikaans | 6570 | Cornish | 7587 | I | | Lithuanian | 7684 | Persian | 7065 | Tatar | 8484 |
| Albanian | 8381 | Corsican | 6779 | Icelandic | 7383 | Luxembourgish | 7666 | Polish | 8076 | Telugu | 8469 |
| Amharic | 6577 | Croatian | 7282 | Ido | 7379 | M | | Portuguese | 8084 | Thai | 8472 |
| Arabic | 6582 | Czech | 6783 | Indonesian | 7368 | Macedonian | 7775 | Provencal | 7967 | Tibetan | 6679 |
| Armenian | 7289 | D | | Interlingua, International | | Malagasy | 7771 | Pushto | 8083 | Tigrinya | 8473 |
| Assamese | 6583 | Danish | 6865 | Interlingue | 7365, 7369 | Malay | 7783 | Q | | Tonga (Tonga Islands) | 8479 |
| Avestan | 6569 | Dutch | 7876 | Inuktitut | 7385 | Malayalam | 7776 | Quechua | 8185 | Tsonga | 8483 |
| Aymara | 6589 | Dzongkha | 6890 | Inupiaq | 7375 | Maltese | 7784 | R | | Tswana | 8478 |
| Azerbaijani | 6590 | E | | Irish | 7165 | Manx | 7186 | Raeto-Romance | 8277 | Turkish | 8482 |
| B | | English | 6978 | Italian | 7384 | Maori | 7773 | Romanian | 8279 | Turkmen | 8475 |
| Bashkir | 6665 | Esperanto | 6979 | J | | Marathi | 7782 | Rundi | 8278 | Twi | 8487 |
| Basque | 6985 | Estonian | 6984 | Japanese | 7465 | Marshallese | 7772 | Russian | 8285 | U | |
| Belarusian | 6669 | F | | Javanese | 7486 | Moldavian | 7779 | S | | Uighur | 8571 |
| Bengali | 6678 | Faroese | 7079 | K | | Mongolian | 7778 | Samoan | 8377 | Ukrainian | 8575 |
| Bihari | 6672 | Fijian | 7074 | Kalaallisut | 7576 | N | | Sango | 8371 | Urdu | 8582 |
| Bislama | 6673 | Finnish | 7073 | Kannada | 7578 | Nauru | 7865 | Sanskrit | 8365 | Uzbek | 8590 |
| Bokmal, Norwegian | 7866 | French | 7082 | Kashmiri | 7583 | Navaho, Navajo | 7886 | Sardinian | 8367 | V | |
| Bosnian | 6683 | Frisian | 7089 | Kazakh | 7575 | Ndebele, North | 7868 | Serbian | 8382 | Vietnamese | 8673 |
| Breton | 6682 | G | | Khmer | 7577 | Ndebele, South | 7882 | Shona | 8378 | Volapuk | 8679 |
| Bulgarian | 6671 | Gaelic, Scottish Gaelic | 7168 | Kinyarwanda | 8287 | Ndonga | 7871 | Sindhi | 8368 | W | |
| Burmese | 7789 | Gallegan | 7176 | Kirghiz | 7589 | Nepali | 7869 | Sinhalese | 8373 | Walloon | 8765 |
| C | | Georgian | 7565 | Komi | 7586 | Northern Sami | 8369 | Slovak | 8375 | Welsh | 6789 |
| Castilian, Spanish | 6983 | German | 6869 | Korean | 7579 | Norwegian | 7879 | Slovenian | 8376 | Wolof | 8779 |
| Catalan | 6765 | Gikuyu, Kikuyu | 7573 | Kuanyama, Kwanyama | 7574 | Nynorsk, Norwegian | 7878 | Somali | 8379 | X | |
| Chamorro | 6772 | Greek | 6976 | Kurdish | 7585 | O | | Sotho, Southern | 8384 | Xhosa | 8872 |
| Chechen | 6769 | Guarani | 7178 | L | | Occitan, Proven | 7967 | Sundanese | 8385 | Y | |
| Chewa, Chichewa, Nyanja | 7889 | Gujarati | 7185 | Lao | 7679 | Old Bulgarian, Old Slavonic, Old Church Slavonic | 6785 | Swahili | 8387 | Yiddish | 8973 |
| Chinese | 9072 | H | | Latin | 7665 | Oriya | 7982 | Swati | 8383 | Yoruba | 8979 |
| Chuang, Zhuang | 9065 | Hausa | 7265 | Latvian | 7686 | Oromo | 7977 | Swedish | 8386 | Z | |
| Church Slavic, | | Hebrew | 7269 | Letzeburgesch | 7666 | Ossetian, Ossetic | 7983 | T | | Zulu | 9085 |
| | | Herero | 7290 | Limburgan, Limburger, | | | | Tagalog | 8476 | | |
| | | Hindi | 7273 | | | | | Tahitian | 8489 | | |

MDV455_17x 11/11/03 4:34 PM Page 46

# 46 Limited Warranty

## *Digital Video Disc Player*

*90 days Free Product Exchange / 91 days–One Year Reduced-Cost Exchange*

***WHO IS COVERED?***

You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

***WHAT IS COVERED?***

Warranty coverage begins the day you buy your product. *For 90 days thereafter,* you may exchange the defective product for a free new or renewed product through Magnavox.

*From 91 days to one year from the date of purchase,* you will pay a preset exchange fee to obtain a new or renewed product. Follow the exchange procedures on the next page. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.

*When it is necessary for you to ship the product to Magnavox for exchange, you will pay the shipping costs for shipment to Magnavox. Magnavox will pay the shipping costs when returning a product to you.*

***WHAT IS EXCLUDED?***

Your warranty does not cover:

- shipping charges to return defective product.
- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of improper installation, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes (including but not limited to rental purposes).

***WHERE IS EXCHANGE AVAILABLE?***

Warranty exchange is available in all countries where the product is officially distributed by Magnavox. In countries where Magnavox does not distribute the product, the local Magnavox service organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available.

***MAKE SURE YOU KEEP...***

Please keep your sales receipt or other document showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

***BEFORE EXCHANGING THE PRODUCT...***

Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

***LIMITATION OF LIABILITY AND REMEDY...***

MAGNAVOX IS NOT LIABLE UNDER ANY CIRCUMSTANCES FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, HOWSOEVER INCURRED, EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES.

TO THE EXTENT PERMITTED BY LOCAL LAW, THE REMEDIES PROVIDED IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDY.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE/PROVINCE TO STATE/PROVINCE.

***TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...***

FOLLOW THE INSTRUCTIONS STATED PREVIOUSLY IN THE "WHAT IS COVERED" SECTION, OR REFER TO THE EXCHANGE INSTRUCTIONS ON THE NEXT PAGE.

IN THE U.S.A., PUERTO RICO, AND U.S. VIRGIN ISLANDS, ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE SPECIFICALLY DISCLAIMED, AND TO THE EXTENT INCONSISTENT WITH LAW OF THE LOCALITY OF THE USER, LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, THIS LIMITATION MAY NOT APPLY TO YOU.

***TO EXCHANGE A PRODUCT IN CANADA...***

Please contact Magnavox at:

1-800-705-2000

In Canada, this warranty is given in lieu of all other warranties. There are no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

***REMEMBER...***

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL #_____

SERIAL #_____

MDV455_17x 11/11/03 4:34 PM Page 47



## *EXCHANGE INSTRUCTIONS*

**To exchange your product with Magnavox (per the warranty conditions stated previously), remember:**

- If you exchange the product within 90 days of the original purchase, there is no cost to you.*
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, contact Magnavox at 1-800-705-2000 to determine the preset cost for exchange.
- If you do not have your original sales receipt, or if you have any questions, call Magnavox at 1-800-705-2000.

**To obtain a replacement product from Magnavox:**

1. Contact Magnavox at 1-800-705-2000 to determine the cost for exchange.
2. Complete the Exchange Form below.
3. Pack the product and its accessories in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call Magnavox at 1-800-705-2000.
4. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment amount into an envelope. DO NOT SEND CASH. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
5. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight prepaid, to the address provided by Magnavox. For details, call 1-800-705-2000. A replacement will be sent to you via UPS within 48 business hours of Magnavox' receipt of the product.

**When it is necessary for you to ship the product to Magnavox for exchange, you will pay the shipping costs for shipment to Magnavox. Magnavox will pay the shipping costs when returning a product to you.*

## *EXCHANGE FORM*

**Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):**

Name:

Street Address: Apt. #:

City: State/Province: Zip Code/Postal Code:

Phone (day): Phone (night):

**Exchange Fee:** _____ **+ Sales Tax:** _____ **= Total:** _____

**Method of Payment:** (Check one. Please, no cash or CODs.)

_____ Check/Money order Check/Money order No. _____

| | | Account number | Expiration date |
|---|---|---|---|
| _____ | American Express | _____ | _____ |
| _____ | Visa | _____ | _____ |
| _____ | Novus/Discover | _____ | _____ |
| _____ | MasterCard | _____ | _____ |

**Signature:** _____

Detailed reason for return, use additional paper if necessary: _____

_____

_____

_____

Model Number _____ Serial Number _____

**Remember, the return box should include the following:**

- **The product,**
- **Completed Exchange Form and sales receipt,**
- **Accessories supplied with the product, and**
- **Payment, if applicable.**

# 48 Information Index


AC power cord .....19
Angle Mark .....40
ANGLE button .....17, 23
Arrow ▲▼◄► buttons .....17
AUDIO button .....17, 25
AUDIO OUT (left/right) jacks .....10-14, 19

Battery installation .....8
Brightness .....34

Camera angle .....23
Chapter selection .....20
Cleaning discs .....6
Closed Captions .....39
COAXIAL jack .....15, 19, 37
Color systems .....7, 35
Component Video .....13
Contrast .....34

Defaults .....41
Digital Audio .....37
DISC MENU button .....17
Disc menus .....20
Disc tray .....16, 18
DISPLAY button .....17
Dolby Digital Setup .....36
Downmix .....36
Dual Mono .....36
Dynamic .....36

Environmental information .....6
Exchange instructions/exchange form .....47

Fast forward and fast reverse .....21
Features .....6
Frame-by-frame playback .....22
Front panel .....18

Glossary .....44
Helpful Hints .....42-43
Hookups .....9-15
  Component Video .....13
  Composite or CVBS (yellow) video .....11
  Connecting to a TV and a digital stereo .....15
  Connecting to a TV and a two-channel stereo .....14
  Determining the best possible connection .....9
  S-Video .....12
  TV has ANTENNA IN or RF IN jack only .....10

Remote sensor .....18
Interlace .....35

JPEG .....32

Language codes .....45
Language settings
  Audio .....25
  Disc menu .....27
  Player display .....39
  Subtitles .....26
Letterbox .....33
Limited warranty .....46-47

MP3 .....32
MUTE button .....17

Next ►►I button .....16-17, 20
NTSC .....7, 35
Number buttons .....17, 20

OK button .....17
OPEN/CLOSE button .....18
OSD LANGUAGE .....39

Package contents .....6
PAL .....7, 35
PanScan .....35
Parental levels .....29
Parental password .....28
PAUSE button .....17, 22
PCM only .....37
Picture setting .....34
PLAY button .....16-17
PAUSE button .....18
Playable discs .....7
POWER ⏻ button .....17-18
Post DRC .....41
Preview .....31
PREVIEW button .....17, 20, 31
Previous I◄◄ button .....16-17, 20
Program .....30
Progressive .....35

Quick disc playback .....16

Rear panel .....19
Reduce .....23
Region codes .....7
Remote control batteries .....8
Remote control buttons .....17
Repeat .....24
REPEAT button .....17, 24
Repeat A-B .....24
REPEAT A-B button .....17, 24
RETURN/TITLE button .....17
Reverb mode .....38

Safety information .....4-5
Scan .....20
Screen saver .....40
Slow motion .....21
Smart Power .....43
Soft .....34
Sound mode .....38
Specifications .....45
Still picture .....22
STOP button .....17, 18
SUBTITLE button .....17, 26
Subtitles .....26
S-VIDEO (video out) jack .....12, 19
SYSTEM MENU button .....17

Time search .....22
Title menus .....20
Track selection .....20
TV display .....33
TV mode .....35
TV type .....35

VIDEO (video out) jack .....11, 19

Warranty .....46
Widescreen (16:9) .....35

Y Pb/Cb Pr/Cr (video out) jacks .....13, 19

Zoom .....23
ZOOM button .....17, 23


This owner's manual is made of recyclable materials. Remember to recycle!

Printed in China
1B8448E00